

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\  
 Data File : BF109945.D  
 Acq On : 18 Oct 2018 2:37  
 Operator : JU/SJ  
 Sample : J5543-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101618-SIDI-E-D-B

Quant Time: Oct 18 12:03:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 14:58:24 2018  
 Response via : Initial Calibration

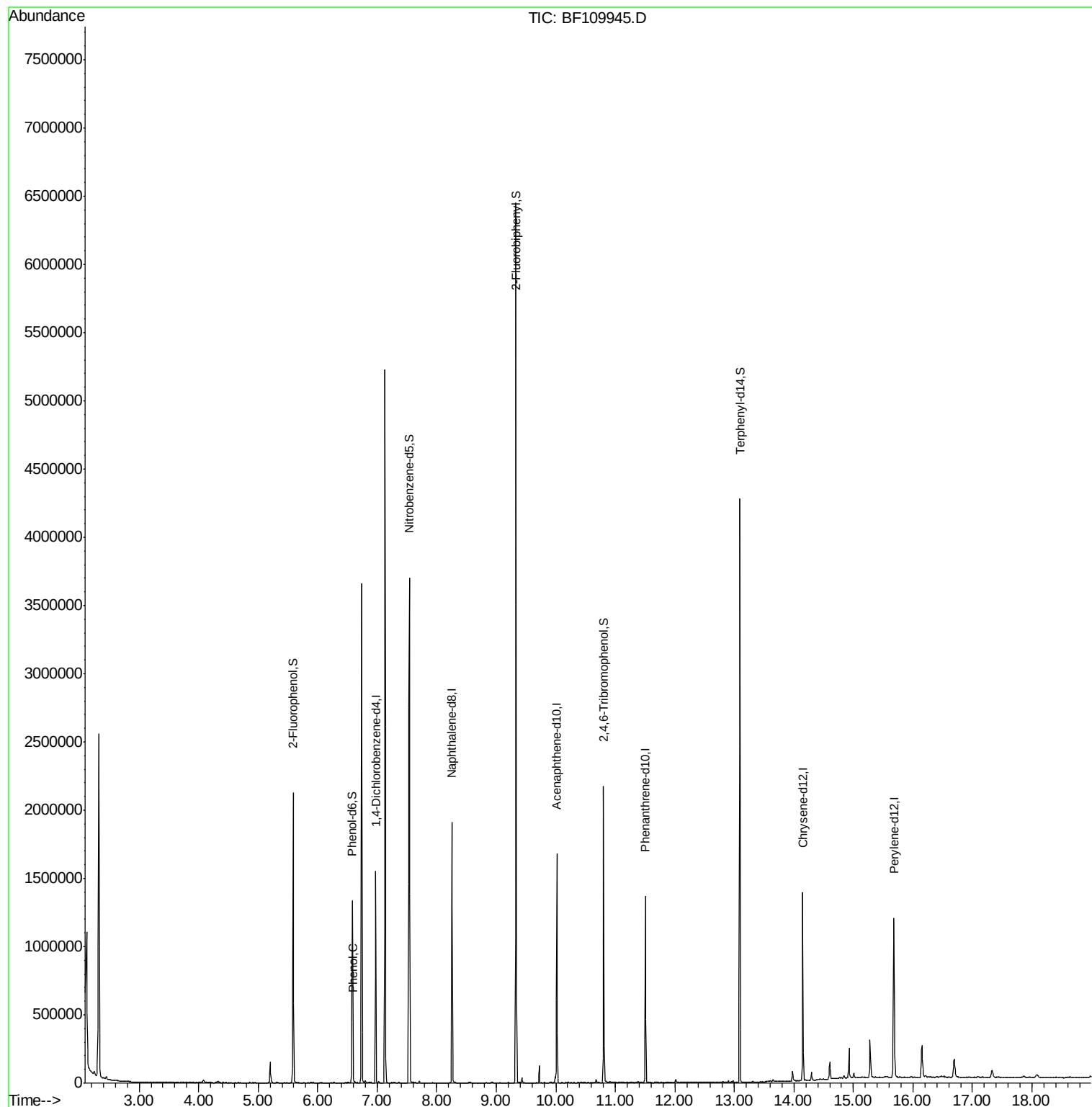
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 201218   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.26  | 136  | 786157   | 20.00  | ng    | -0.01          |
| 39) Acenaphthene-d10        | 10.02 | 164  | 320233   | 20.00  | ng    | -0.01          |
| 64) Phenanthrene-d10        | 11.51 | 188  | 478998   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 14.15 | 240  | 435390   | 20.00  | ng    | -0.01          |
| 87) Perylene-d12            | 15.68 | 264  | 444057   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.59  | 112  | 559567   | 44.08  | ng    | 0.00           |
| 7) Phenol-d6                | 6.59  | 99   | 435302   | 27.62  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 1184006  | 101.45 | ng    | -0.01          |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 234873   | 84.72  | ng    | -0.01          |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 2078525  | 103.57 | ng    | 0.00           |
| 79) Terphenyl-d14           | 13.09 | 244  | 1382495  | 66.68  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 6.60  | 94   | 35016    | 2.058  | ng    | Qvalue<br># 61 |

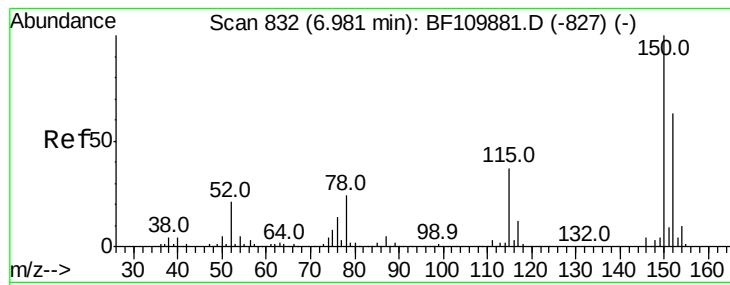
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\  
Data File : BF109945.D  
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Sample : J5543-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
101618-SIDI-E-D-B

Quant Time: Oct 18 12:03:53 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 16 14:58:24 2018  
Response via : Initial Calibration



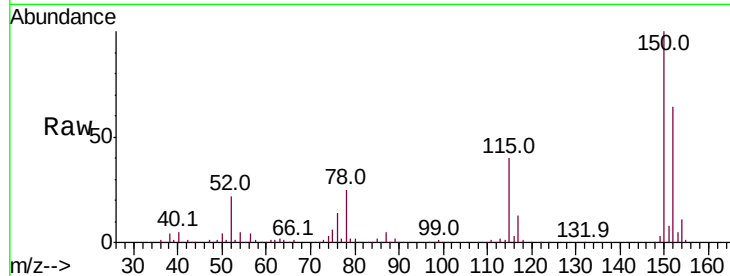


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

Instrument :  
BNA\_F  
ClientSampleId :  
101618-SIDI-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.4 | 122.7 | 184.1 |
| 115     | 63.2  | 49.1  | 73.7  |

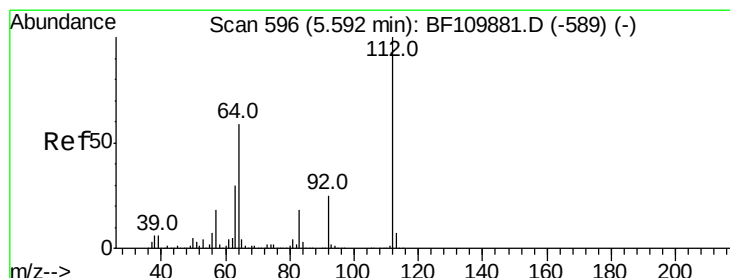
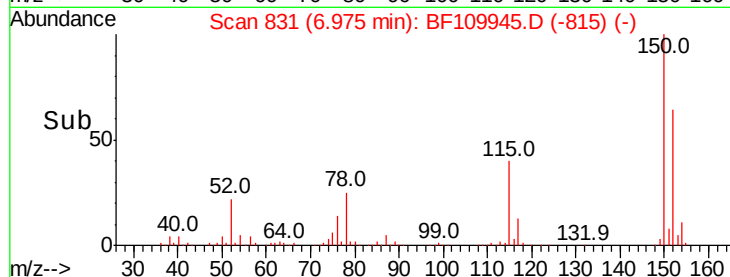
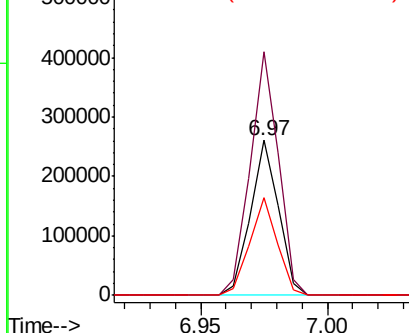


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

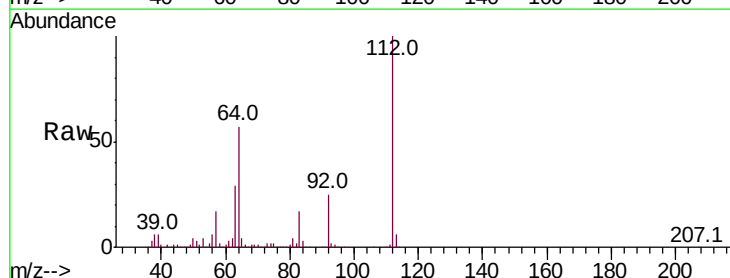
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 44.081 ng  
RT: 5.59 min Scan# 596  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.7  | 44.1  | 66.1  |
| 63      | 29.0  | 23.7  | 35.5  |

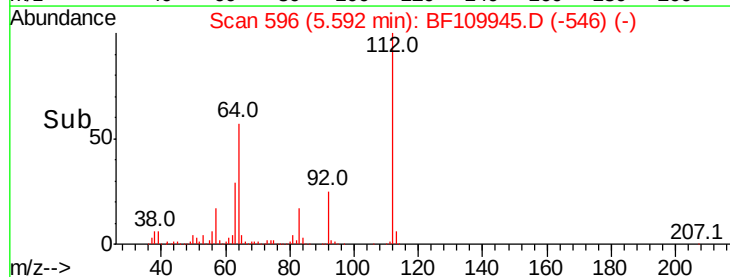
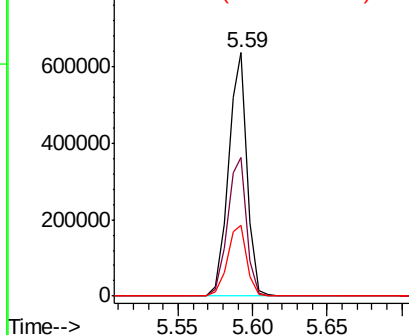


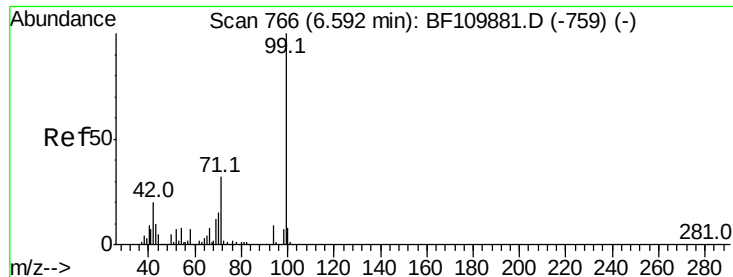
Abundance

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: 27.616 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109945.D

Acq: 18 Oct 2018 2:37

Instrument :

BNA\_F

ClientSampleId :

101618-SIDI-E-D-B

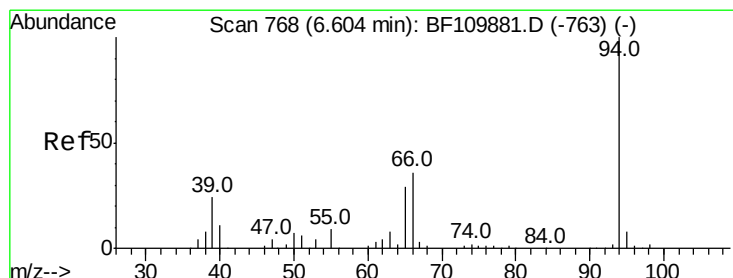
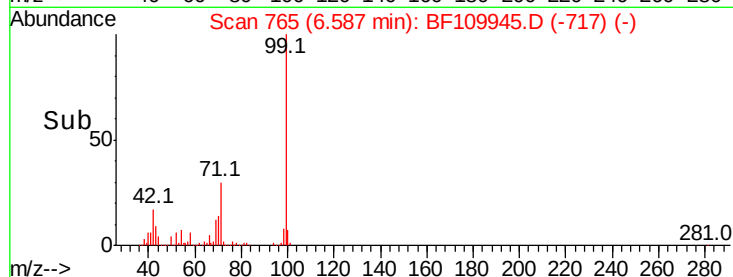
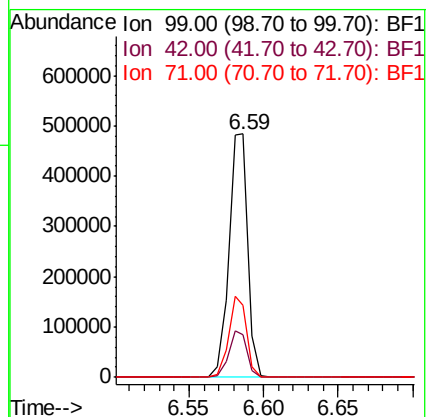
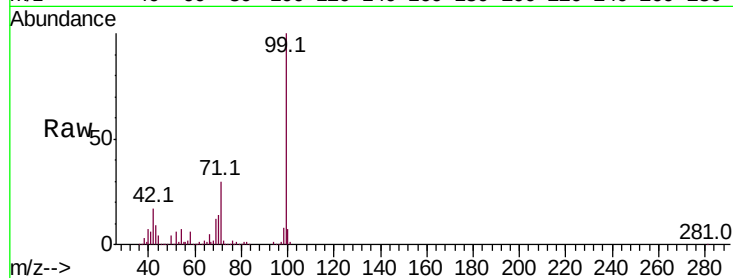
Tot Ion: 99 Resp: 435302

Ion Ratio Lower Upper

99 100

42 17.4 15.8 23.6

71 29.9 28.0 42.0



#10

Phenol

Concen: 2.058 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109945.D

Acq: 18 Oct 2018 2:37

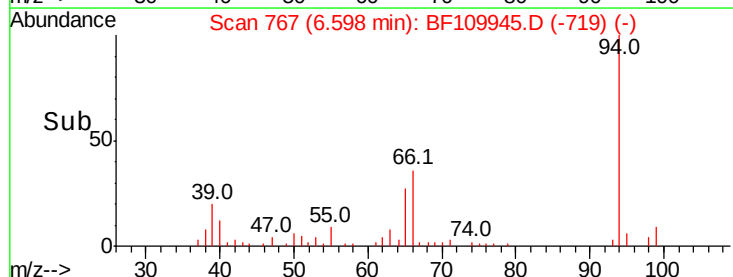
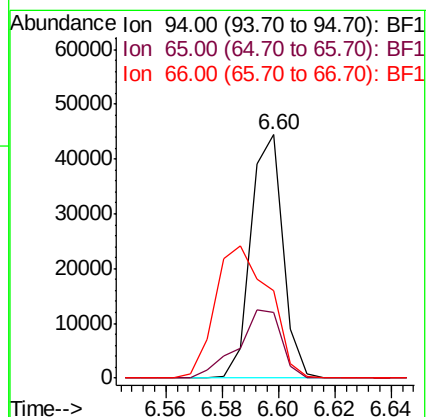
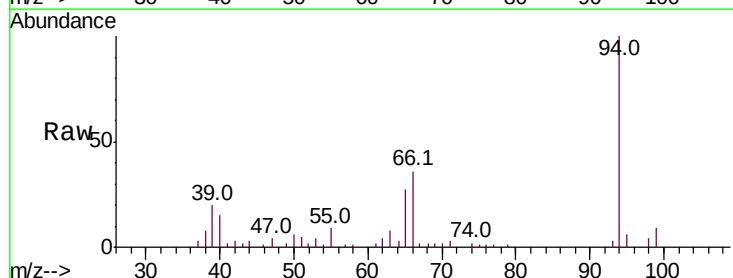
Tgt Ion: 94 Resp: 35016

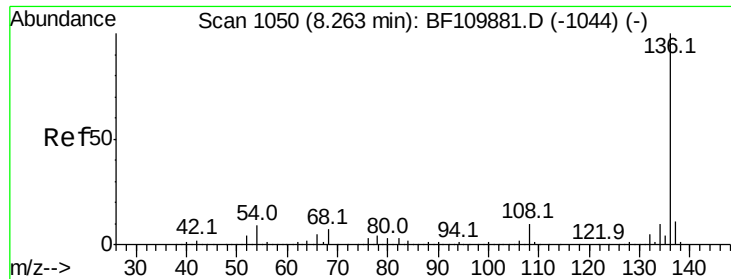
Ion Ratio Lower Upper

94 100

65 26.9 25.3 65.3

66 35.8 54.5 94.5#

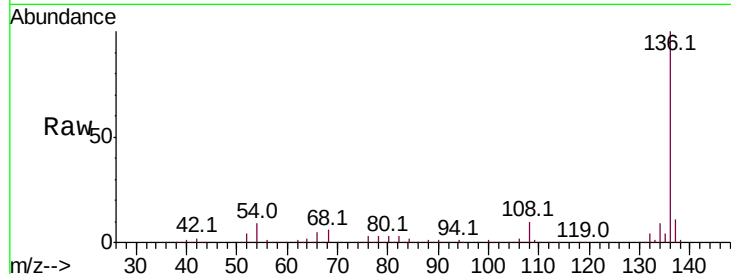




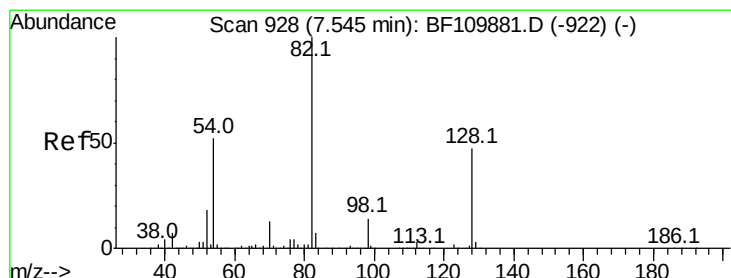
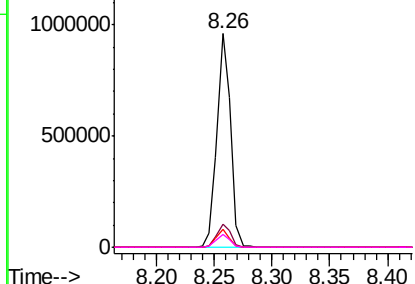
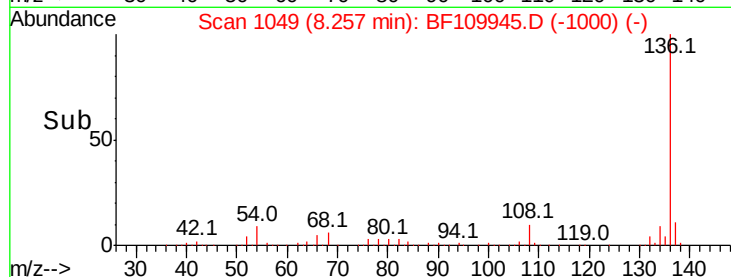
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

Instrument :  
BNA\_F  
ClientSampleId :  
101618-SIDI-E-D-B

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 786157   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.8 13.2 |
| 54          | 8.6   | 5.4 8.2# |
| 68          | 6.3   | 4.2 6.2# |

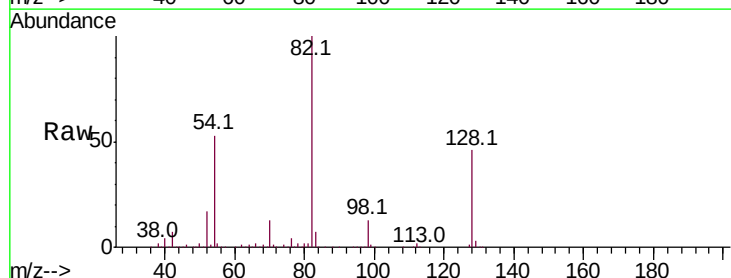


Abundance Ion 136.00 (135.70 to 136.70): E  
1500000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

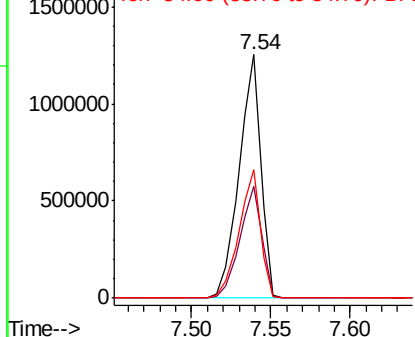
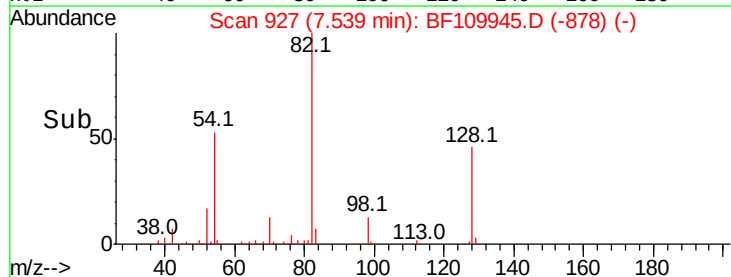


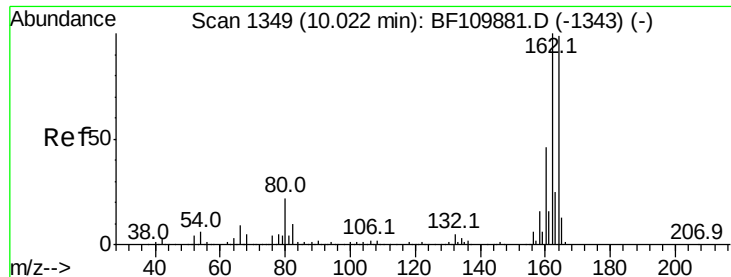
#23  
Nitrobenzene-d5  
Concen: 101.455 ng  
RT: 7.54 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1184006   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.1  | 34.2 51.2 |
| 54          | 52.6  | 38.6 58.0 |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
1500000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

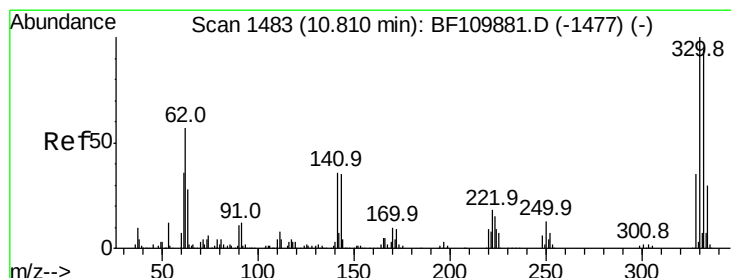
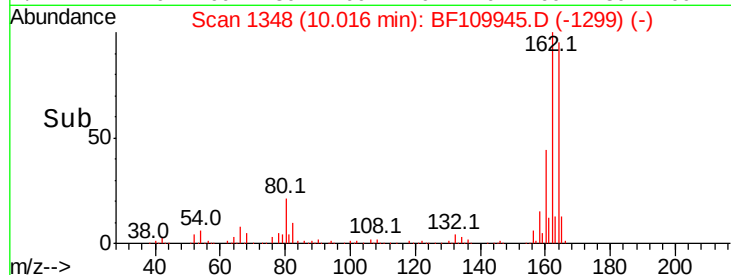
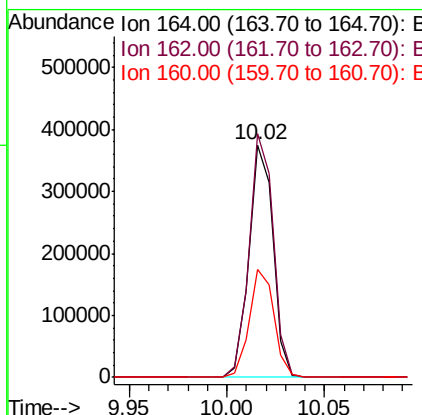
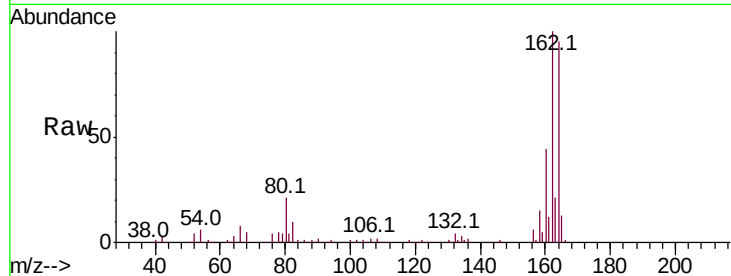




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

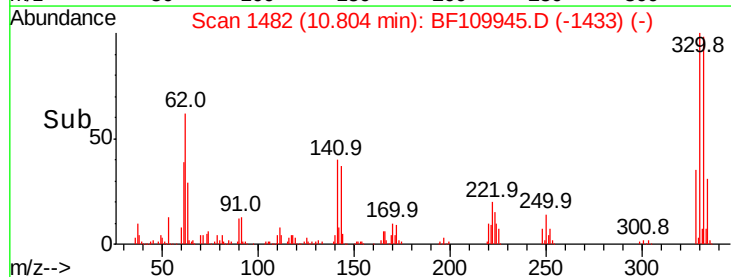
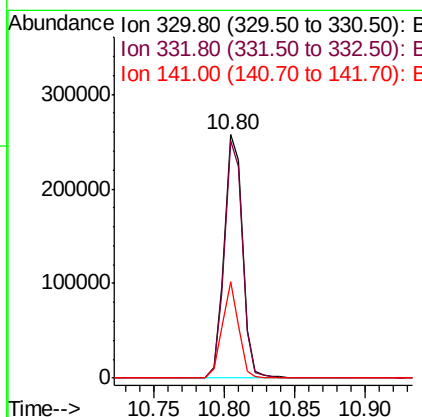
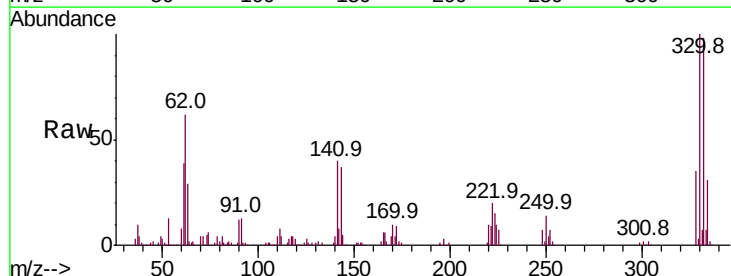
Instrument :  
BNA\_F  
ClientSampleId :  
101618-SIDI-E-D-B

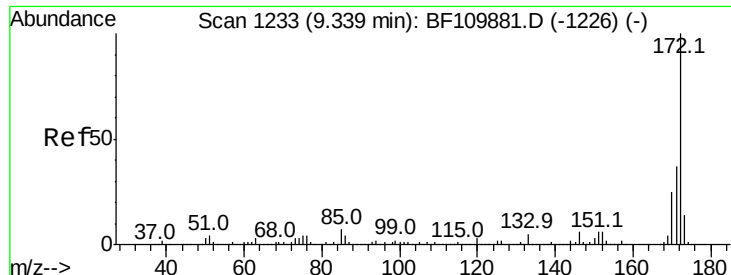
Tot Ion:164 Resp: 320233  
Ion Ratio Lower Upper  
164 100  
162 104.8 83.0 124.6  
160 46.3 37.0 55.6



#42  
2,4,6-Tribromophenol  
Concen: 84.715 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BF109945.D  
Acq: 18 Oct 2018 2:37

Tgt Ion:330 Resp: 234873  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.1 115.7  
141 35.1 27.0 40.4



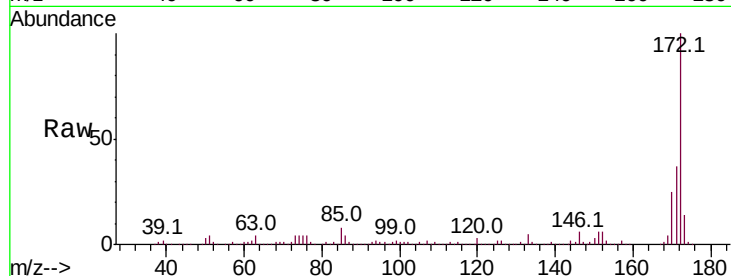


#45  
 2-Fluorobiphenyl  
 Concen: 103.569 ng  
 RT: 9.33 min Scan# 1232  
 Delta R.T. -0.01 min  
 Lab File: BF109945.D  
 Acq: 18 Oct 2018 2:37

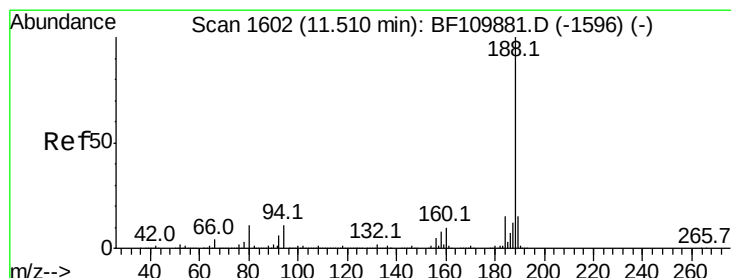
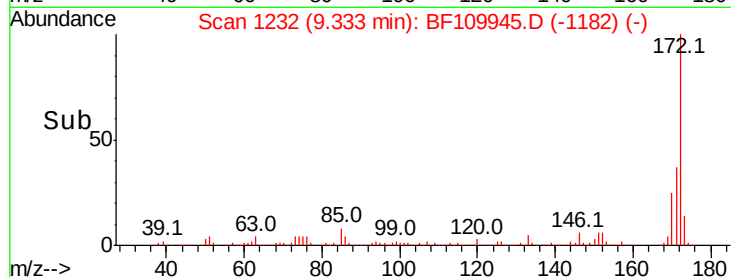
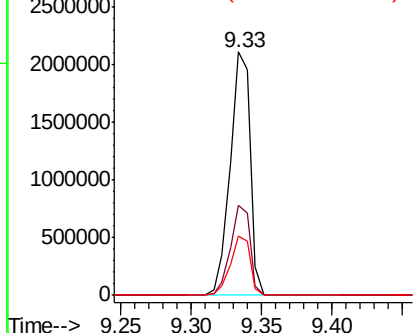
Instrument :  
 BNA\_F  
 ClientSampleId :  
 101618-SIDI-E-D-B

Tot Ion:172 Resp: 2078525  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.8  | 28.6  | 43.0  |
| 170 | 24.6  | 19.7  | 29.5  |



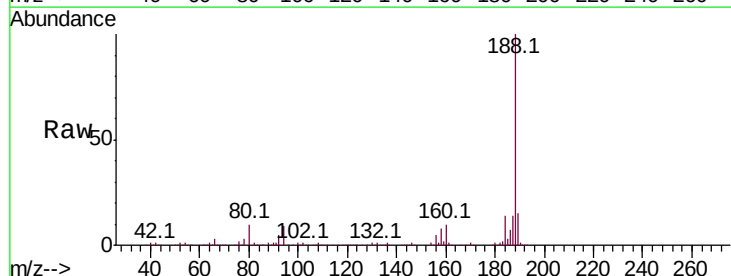
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



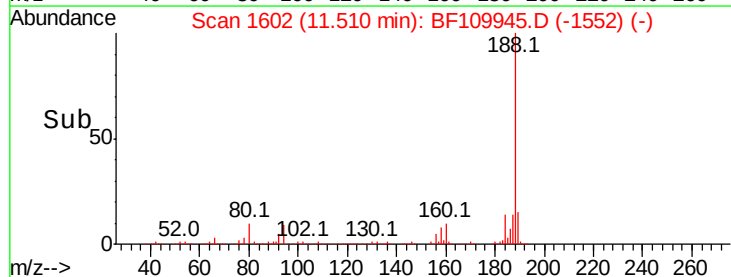
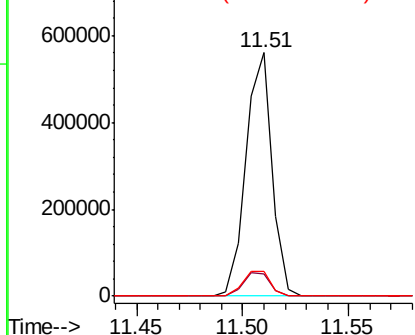
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. -0.01 min  
 Lab File: BF109945.D  
 Acq: 18 Oct 2018 2:37

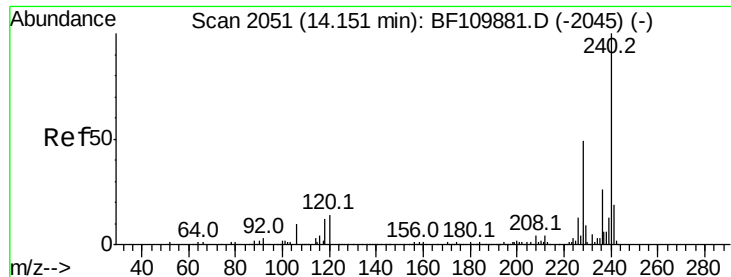
Tgt Ion:188 Resp: 478998  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.0   | 7.2   | 10.8  |
| 80  | 9.9   | 7.9   | 11.9  |



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF109945.D

Acq: 18 Oct 2018 2:37

Instrument :

BNA\_F

ClientSampleId :

101618-SIDI-E-D-B

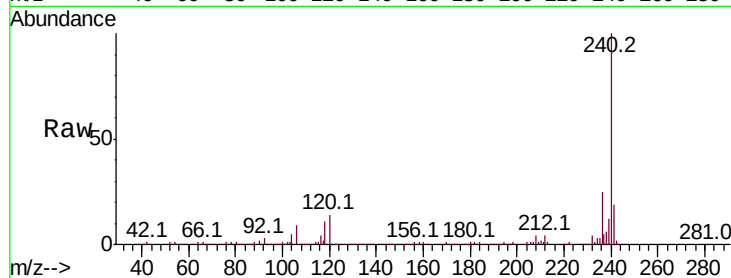
Tot Ion:240 Resp: 435390

Ion Ratio Lower Upper

240 100

120 14.1 8.3 12.5#

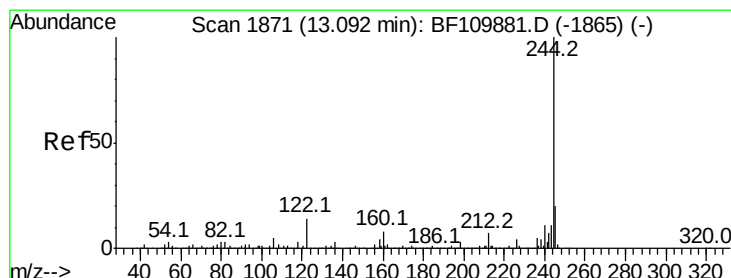
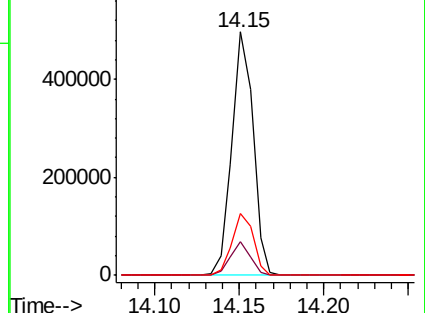
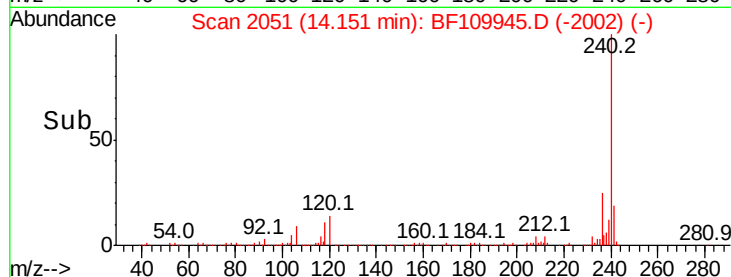
236 25.3 21.2 31.8



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



#79

Terphenyl-d14

Concen: 66.679 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF109945.D

Acq: 18 Oct 2018 2:37

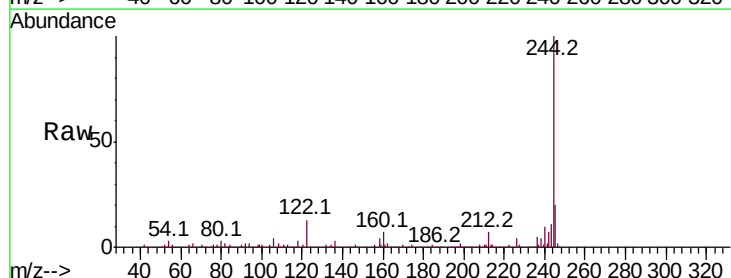
Tgt Ion:244 Resp: 1382495

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

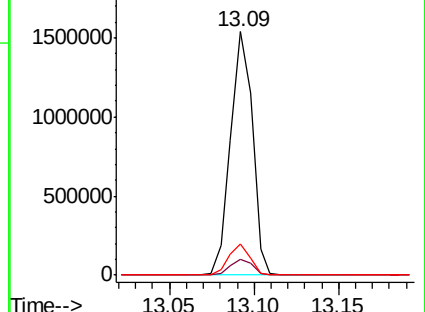
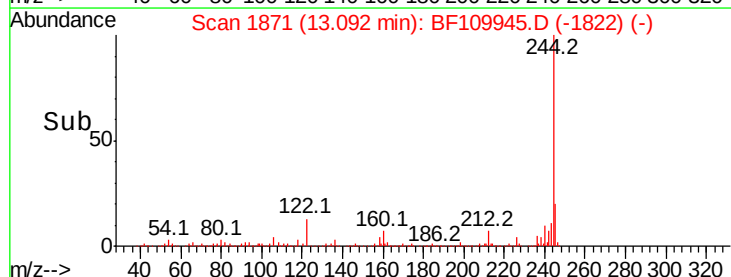
122 13.0 8.7 13.1



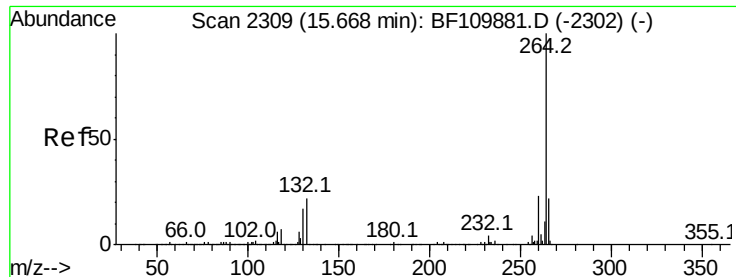
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2311  
 Delta R.T. -0.01 min  
 Lab File: BF109945.D  
 Acq: 18 Oct 2018 2:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 101618-SIDI-E-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.7  | 28.1  |
| 265     | 21.6  | 16.7  | 25.1  |

