

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\  
 Data File : BF109531.D  
 Acq On : 3 Oct 2018 5:23  
 Operator : JU/SJ  
 Sample : J5187-10  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-SIDI-F-U-B

Quant Time: Oct 03 09:15:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

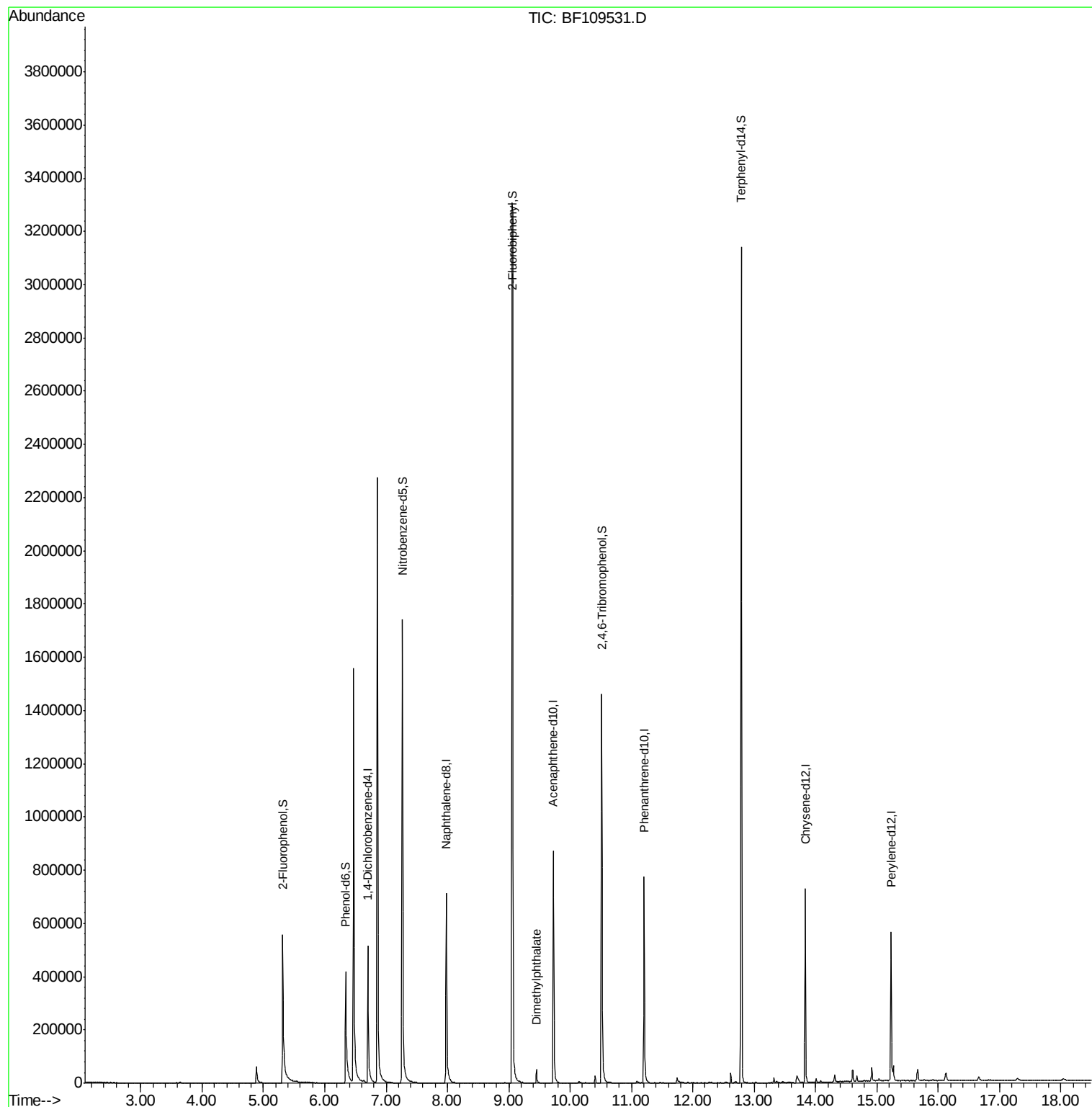
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 106013   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 403151   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.73  | 164  | 188556   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 343405   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 249234   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 260377   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 260674   | 40.50  | ng    | 0.00     |
| 7) Phenol-d6                | 6.34  | 99   | 214315   | 26.09  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 729528   | 106.82 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 198951   | 107.03 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1302847  | 104.21 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 1171536  | 115.36 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.45  | 163  | 29903    | 2.180  | ng    | 98       |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 22 13:32:18 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

Instrument :

BNA\_F

ClientSampleId :

092818-SIDI-F-U-B

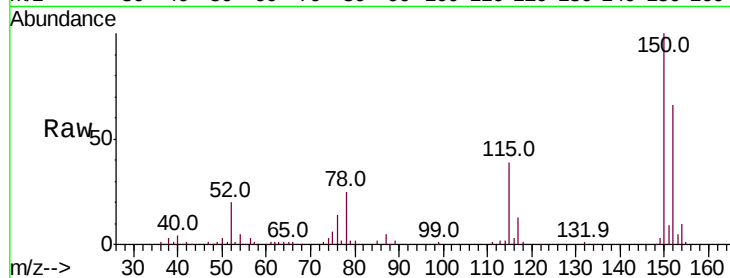
Tot Ion:152 Resp: 106013

Ion Ratio Lower Upper

152 100

150 151.7 124.6 186.8

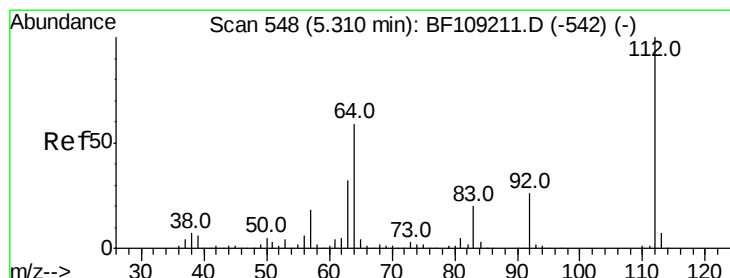
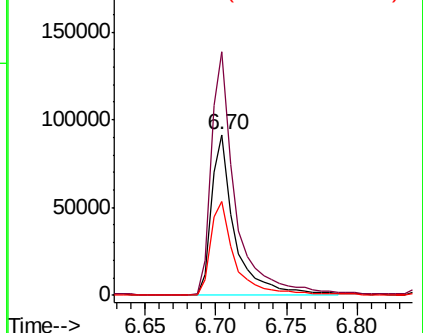
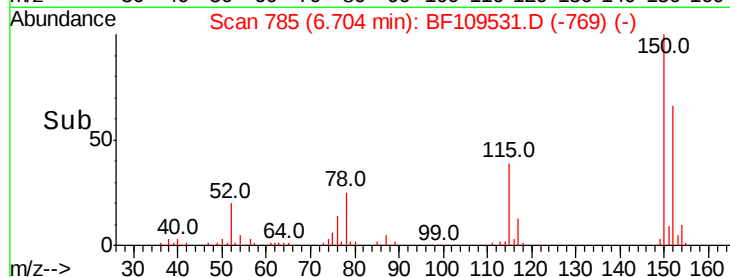
115 58.5 50.1 75.1



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: 40.500 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

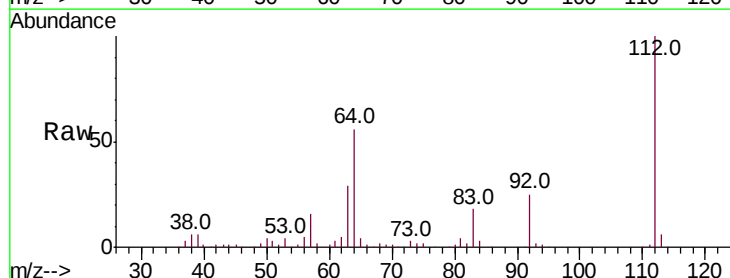
Tgt Ion:112 Resp: 260674

Ion Ratio Lower Upper

112 100

64 55.7 47.9 71.9

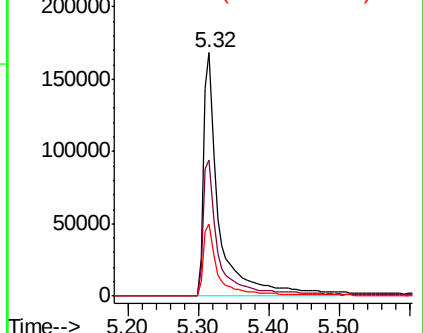
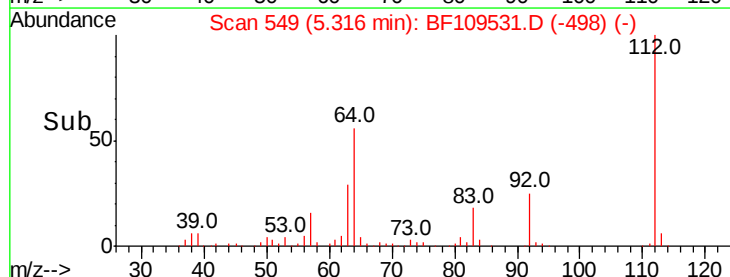
63 29.5 23.7 35.5

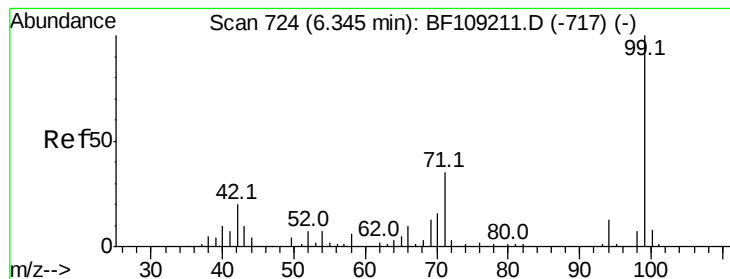


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.094 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

Instrument :

BNA\_F

ClientSampleId :

092818-SIDI-F-U-B

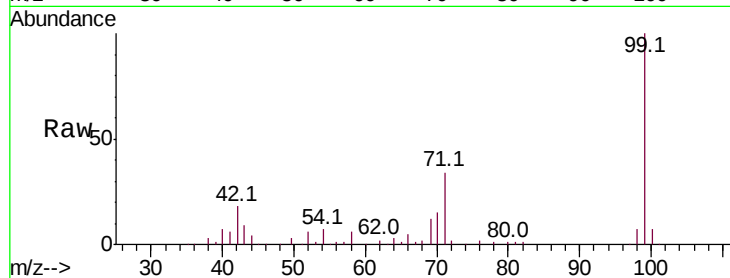
Tot Ion: 99 Resp: 214315

Ion Ratio Lower Upper

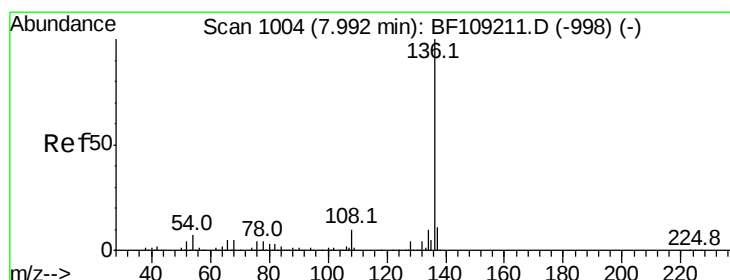
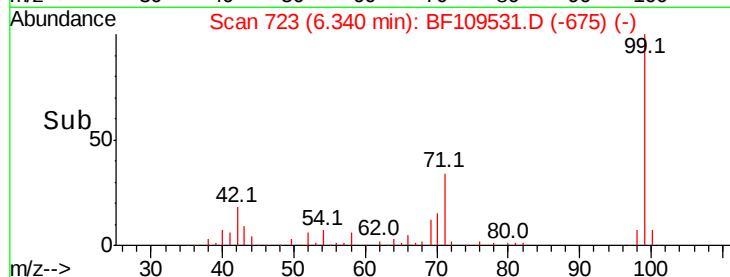
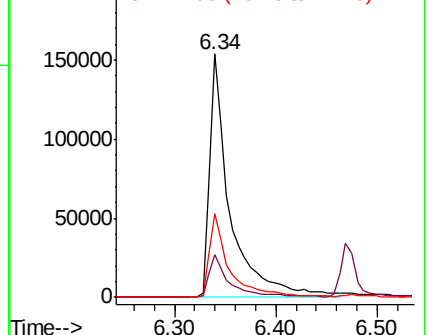
99 100

42 17.6 14.5 21.7

71 34.3 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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

Tgt Ion: 136 Resp: 403151

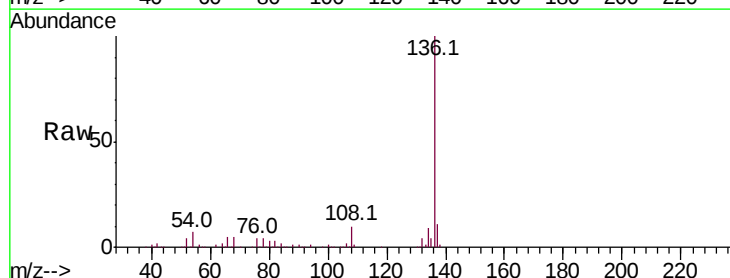
Ion Ratio Lower Upper

136 100

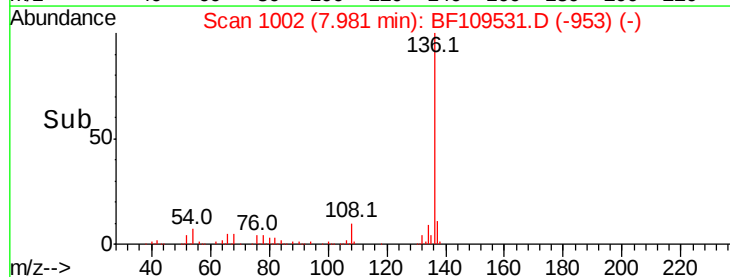
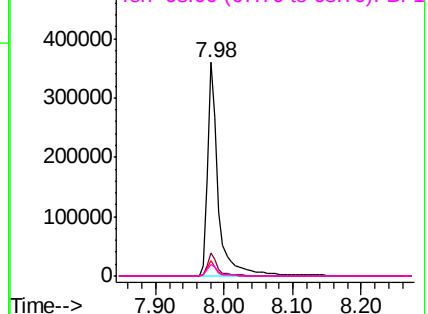
137 10.8 8.9 13.3

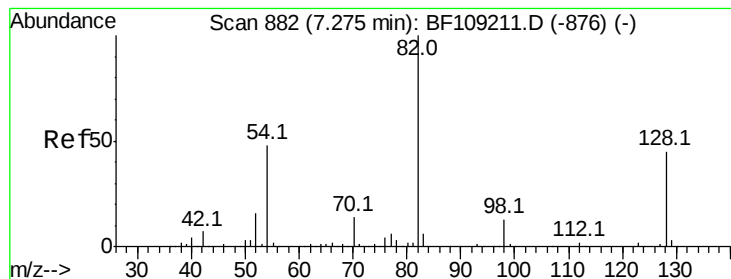
54 7.0 6.6 9.8

68 5.4 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: 106.821 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

Instrument :

BNA\_F

ClientSampleId :

092818-SIDI-F-U-B

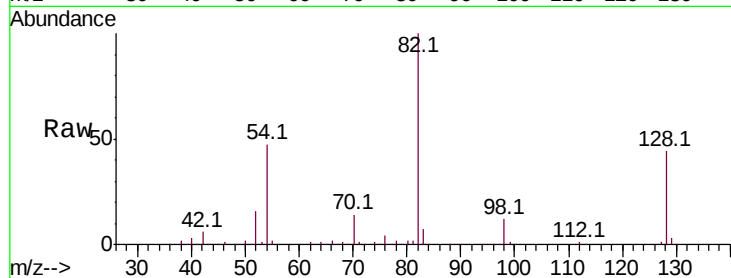
Tot Ion: 82 Resp: 729528

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

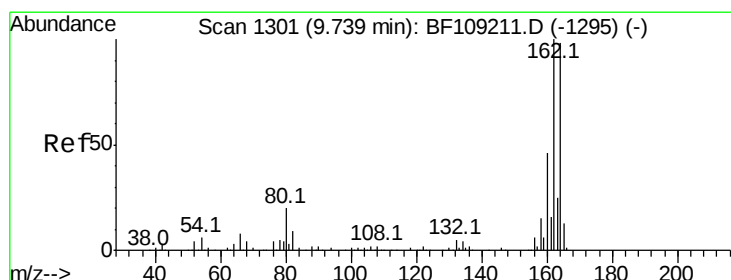
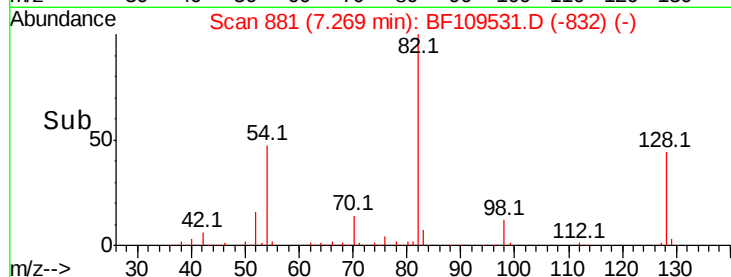
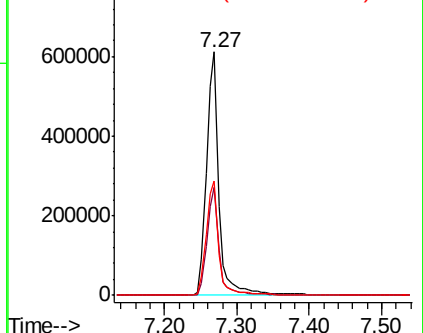
54 47.0 41.4 62.2



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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

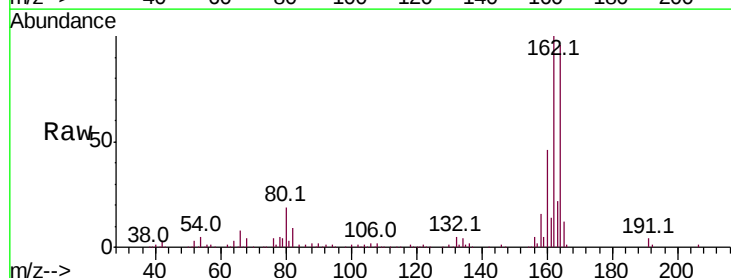
Tgt Ion:164 Resp: 188556

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

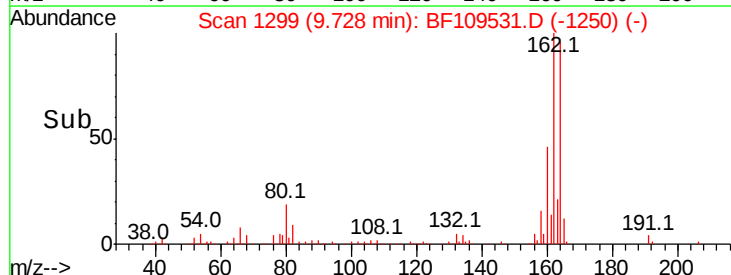
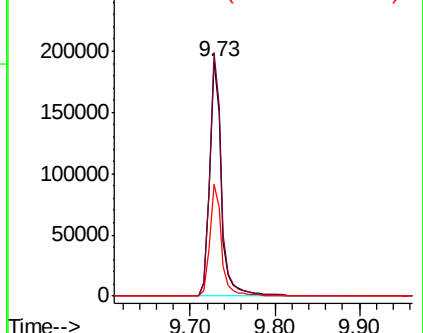
160 47.4 38.3 57.5

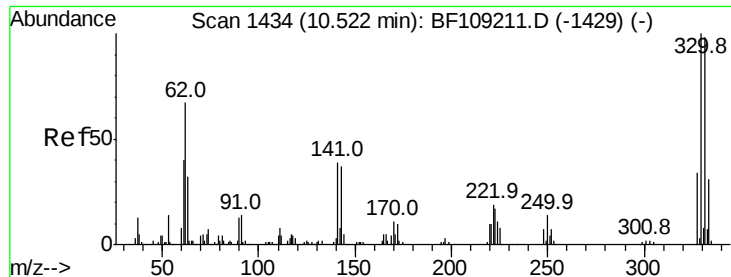


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

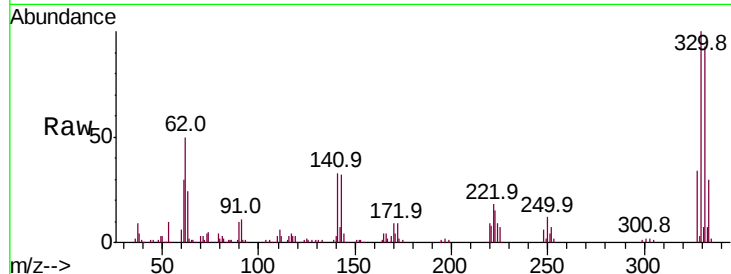




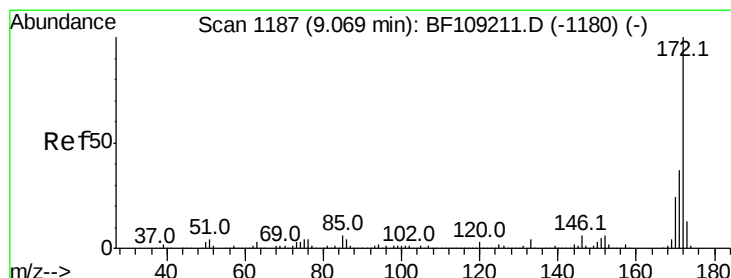
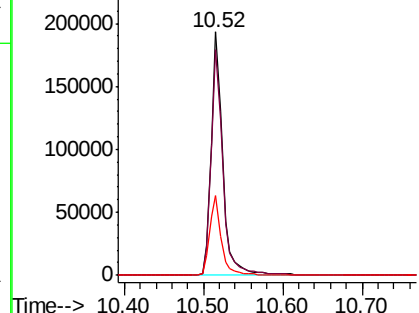
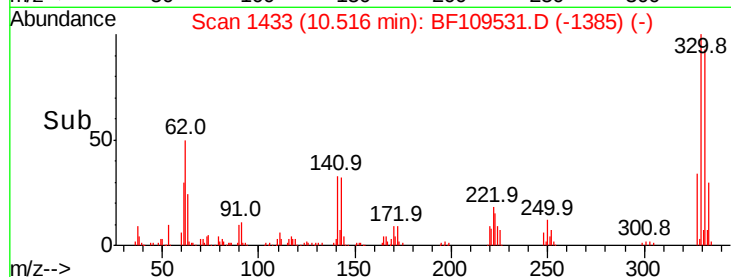
#41  
 2,4,6-Tribromophenol  
 Concen: 107.034 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109531.D  
 Acq: 3 Oct 2018 5:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-SIDI-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.0  | 115.6 |
| 141     | 33.2  | 29.9  | 44.9  |

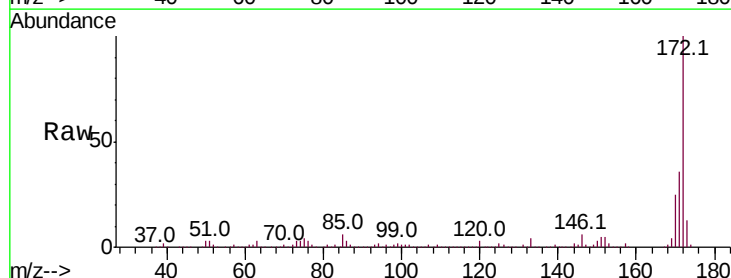


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

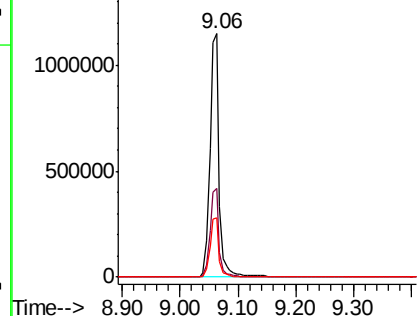
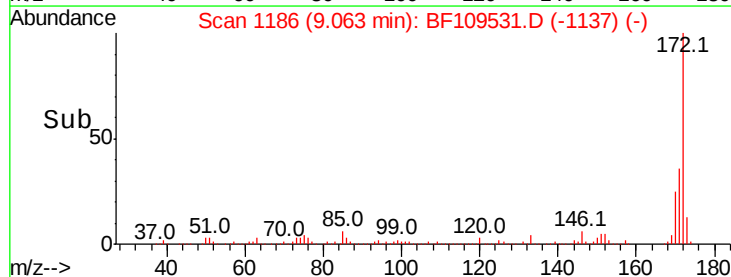


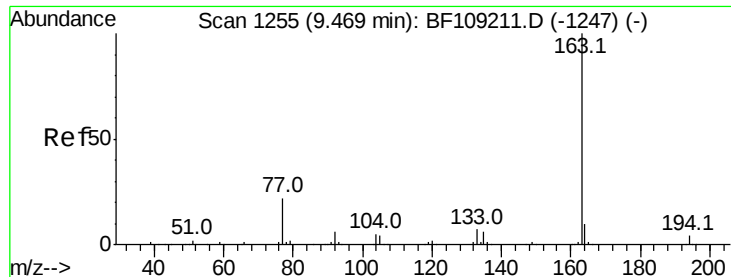
#44  
 2-Fluorobiphenyl  
 Concen: 104.210 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109531.D  
 Acq: 3 Oct 2018 5:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 24.5  | 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

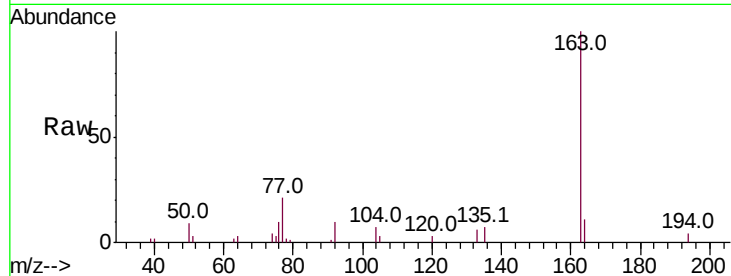




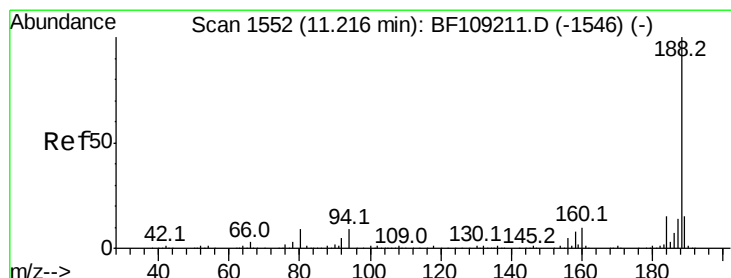
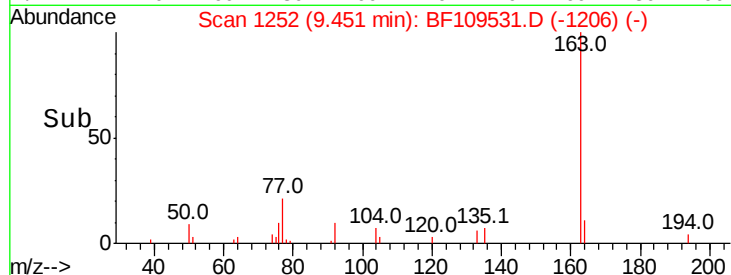
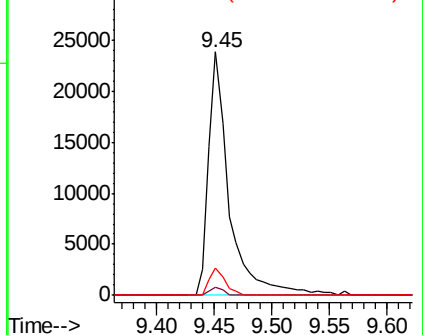
#49  
Dimethylphthalate  
Concen: 2.180 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.03 min  
Lab File: BF109531.D  
Acq: 3 Oct 2018 5:23

Instrument :  
BNA\_F  
ClientSampleId :  
092818-SIDI-F-U-B

Tot Ion:163 Resp: 29903  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 11.0 8.2 12.2

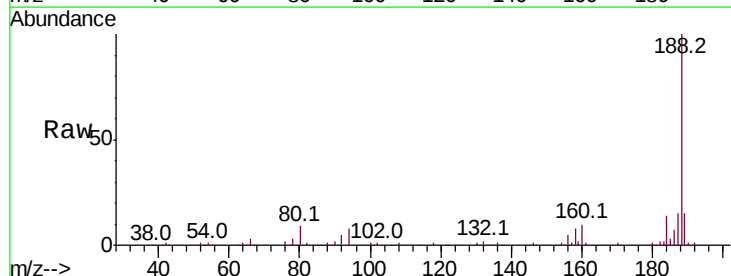


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

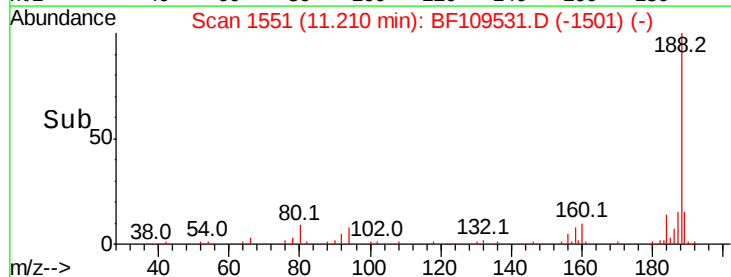
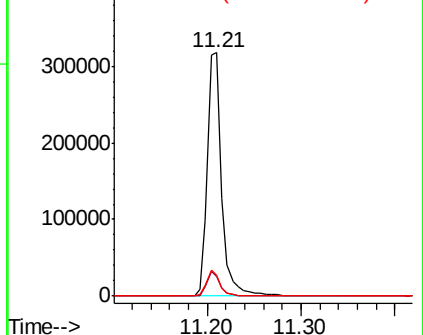


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109531.D  
Acq: 3 Oct 2018 5:23

Tgt Ion:188 Resp: 343405  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.5 12.7#  
80 8.6 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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

Instrument :

BNA\_F

ClientSampleId :

092818-SIDI-F-U-B

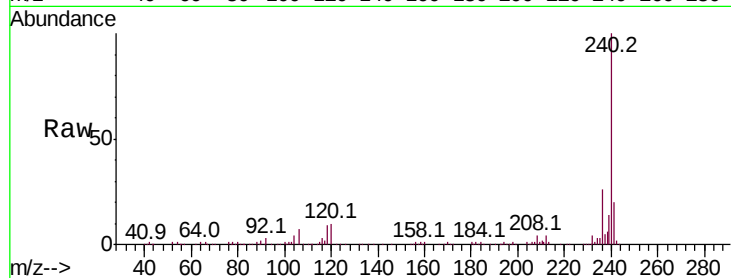
Tot Ion:240 Resp: 249234

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

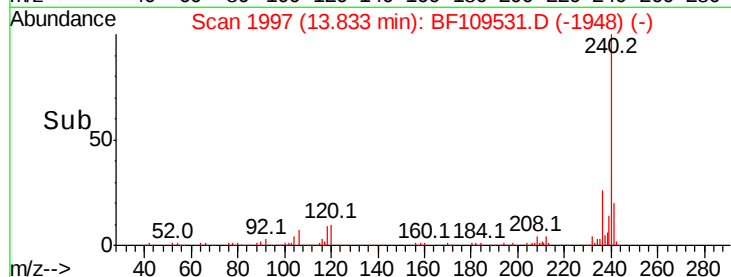
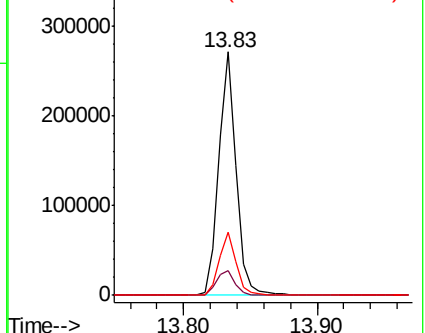
236 26.1 20.7 31.1



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: 115.359 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109531.D

Acq: 3 Oct 2018 5:23

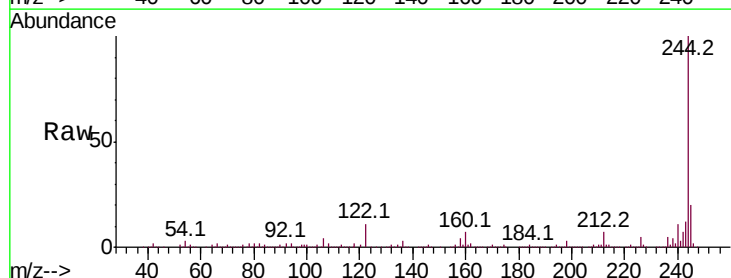
Tgt Ion:244 Resp: 1171536

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

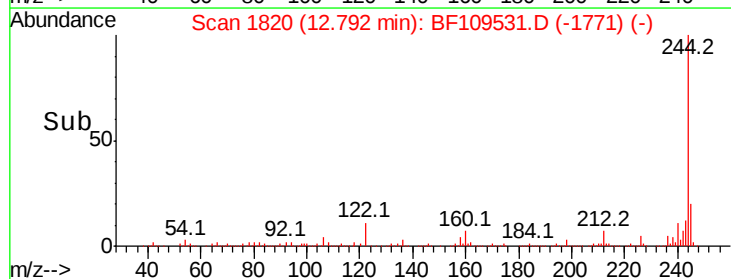
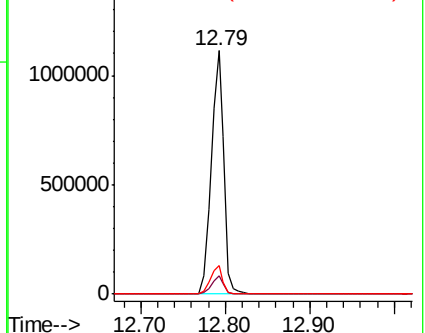
122 11.5 11.0 16.4

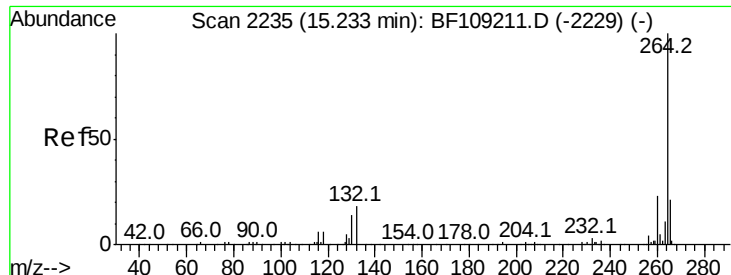


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.23 min Scan# 2235  
Delta R.T. -0.01 min  
Lab File: BF109531.D  
Acq: 3 Oct 2018 5:23

Instrument :  
BNA\_F  
ClientSampleId :  
092818-SIDI-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 20.8  | 17.5  | 26.3  |

