

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\  
 Data File : BF109028.D  
 Acq On : 15 Sep 2018 6:51  
 Operator : JU/SJ  
 Sample : J4901-11  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-D-B

Quant Time: Sep 17 03:22:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

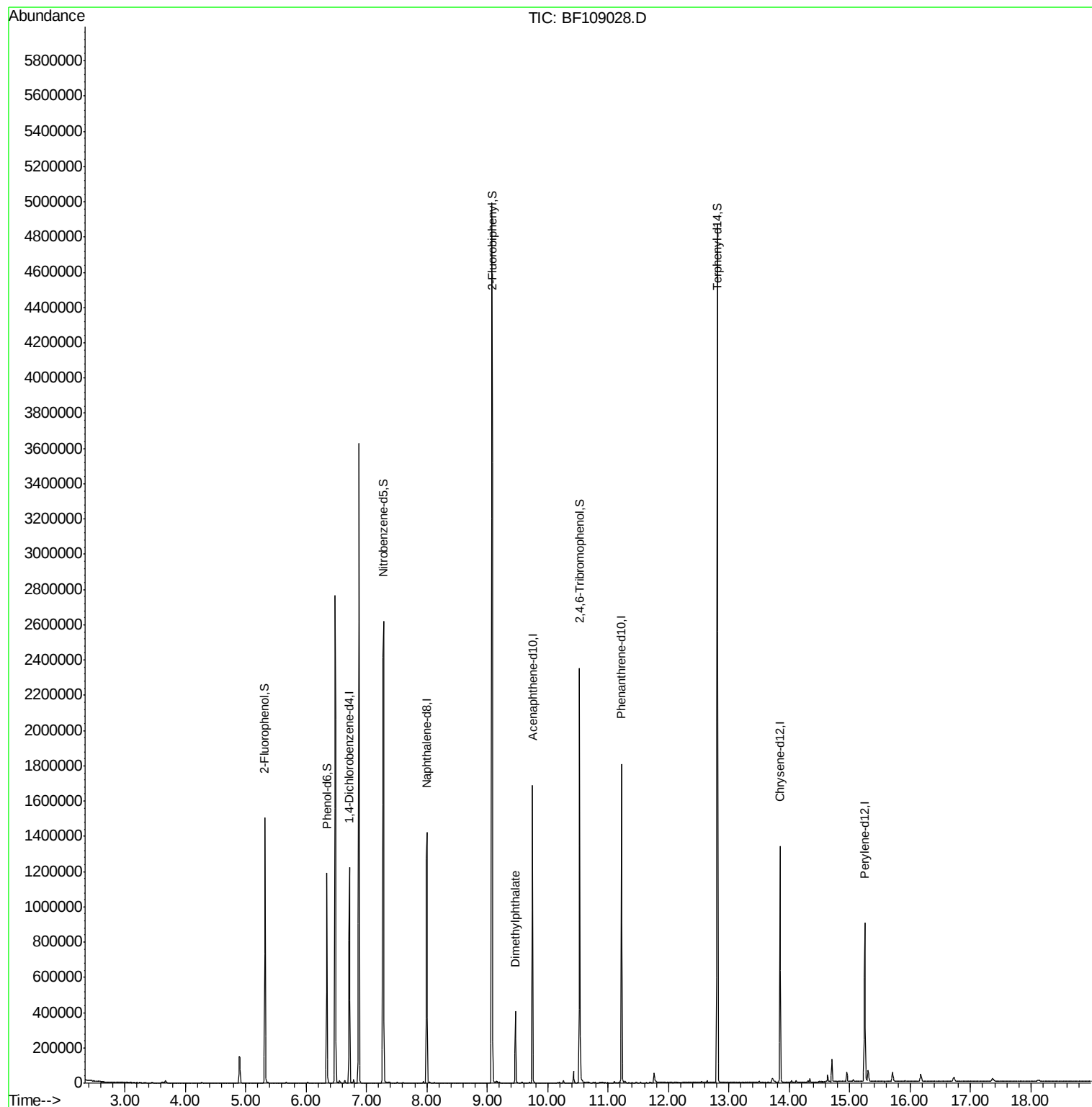
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 164882   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.00  | 136  | 630514   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.75  | 164  | 303696   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.22 | 188  | 597501   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.85 | 240  | 420495   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 15.25 | 264  | 398419   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.32  | 112  | 426122   | 42.92  | ng    | 0.00      |
| 7) Phenol-d6                | 6.34  | 99   | 367776   | 28.73  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 989816   | 88.05  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 288885   | 87.65  | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1635721  | 84.38  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.81 | 244  | 1783172  | 100.51 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.47  | 163  | 146969   | 6.771  | ng    | Qvalue 99 |

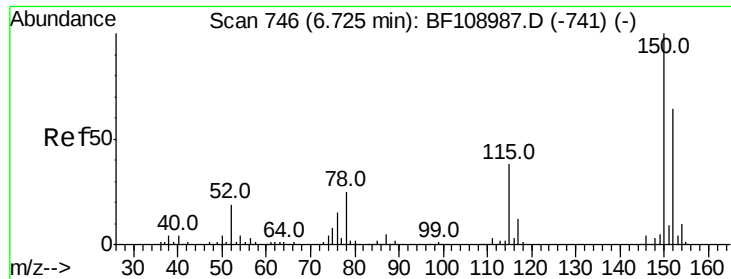
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
ClientSampleId :  
091218-SIDI-F-D-B

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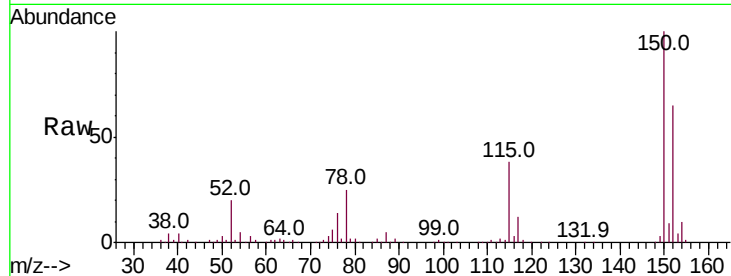


#1

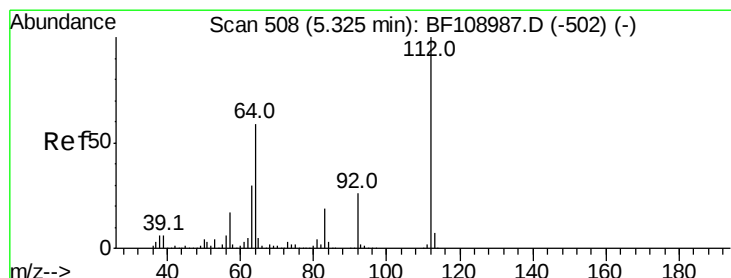
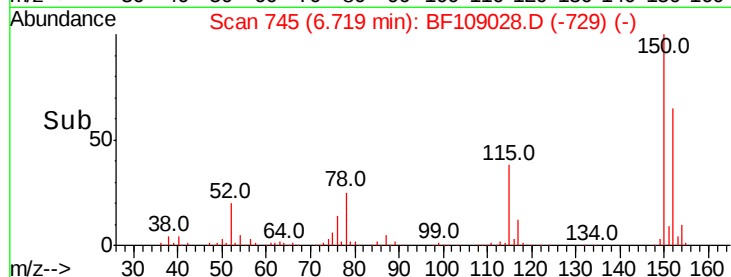
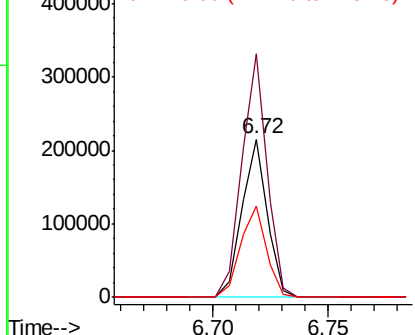
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-D-B

Tot Ion:152 Resp: 164882  
 Ion Ratio Lower Upper  
 152 100  
 150 153.7 124.6 186.8  
 115 57.8 50.1 75.1



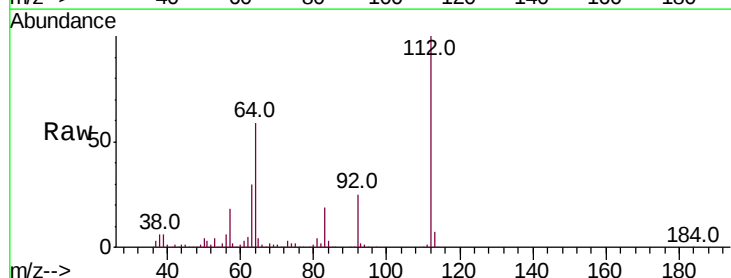
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



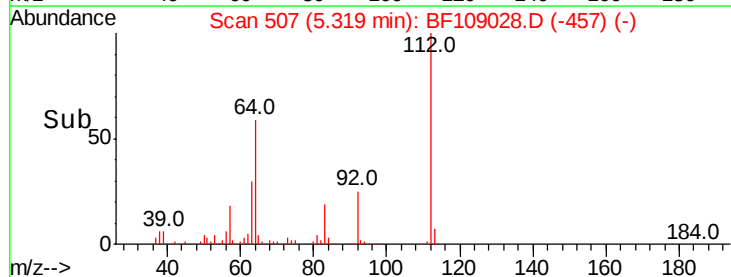
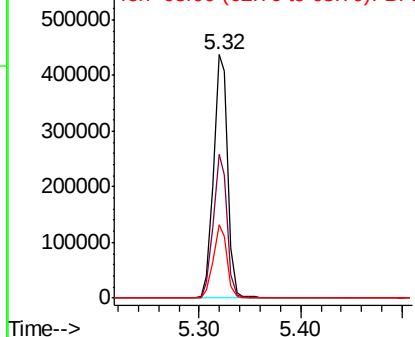
#5

2-Fluorophenol  
 Concen: 42.924 ng  
 RT: 5.32 min Scan# 507  
 Delta R.T. -0.00 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

Tgt Ion:112 Resp: 426122  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 47.9 71.9  
 63 30.4 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: 28.731 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-D-B

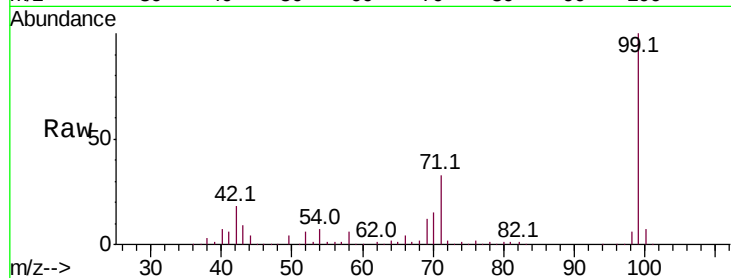
Tot Ion: 99 Resp: 367776

Ion Ratio Lower Upper

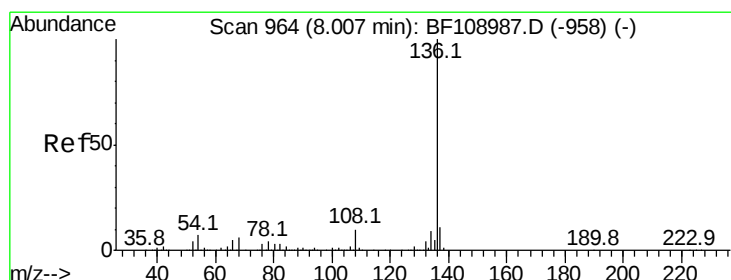
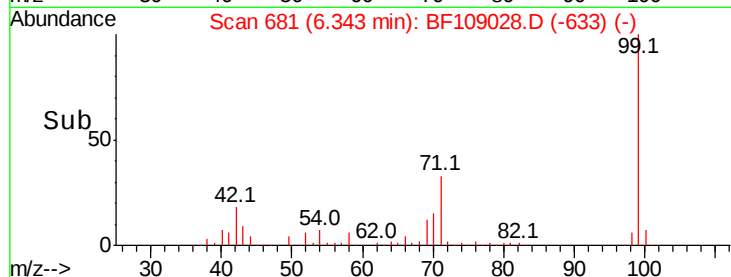
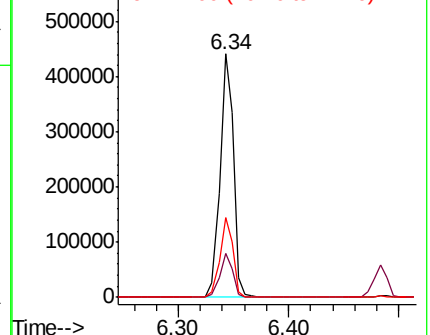
99 100

42 17.9 14.5 21.7

71 32.7 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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

Tgt Ion: 136 Resp: 630514

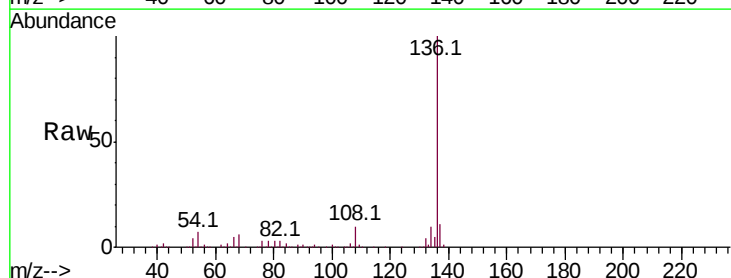
Ion Ratio Lower Upper

136 100

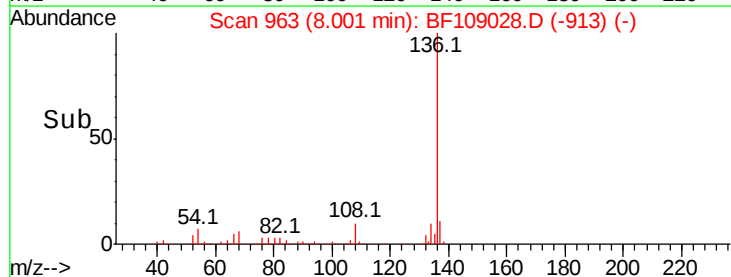
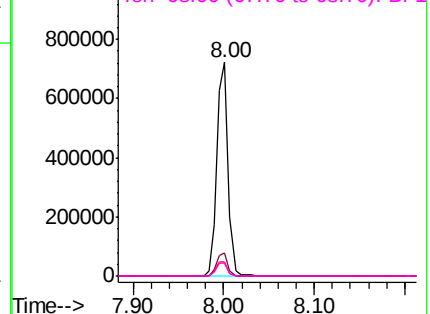
137 10.8 8.9 13.3

54 6.8 6.6 9.8

68 5.8 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

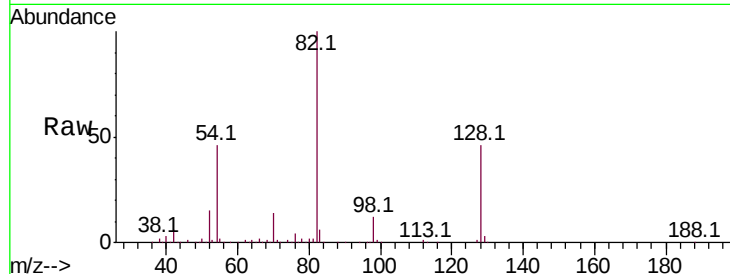




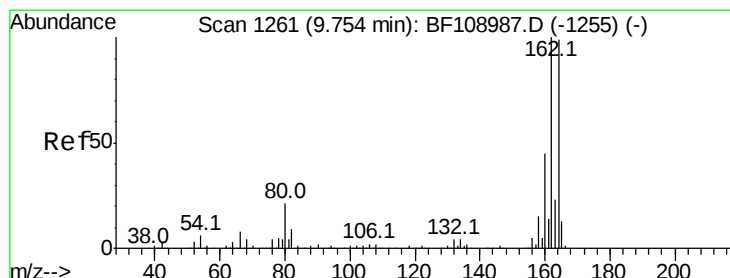
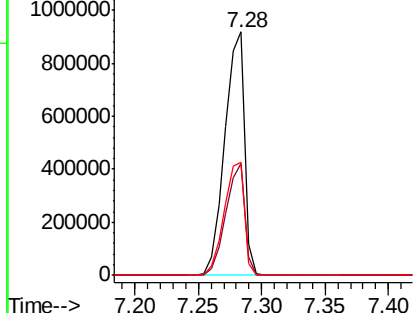
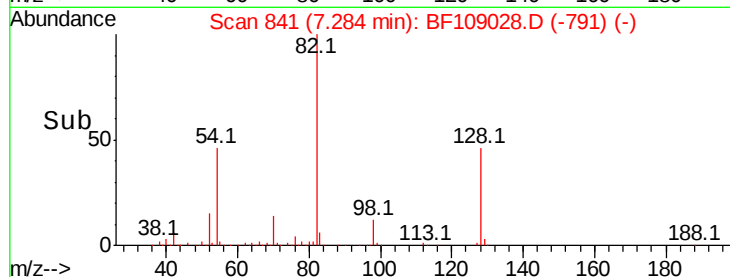
#23  
 Nitrobenzene-d5  
 Concen: 88.050 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.9  | 36.1  | 54.1  |
| 54      | 46.2  | 41.4  | 62.2  |

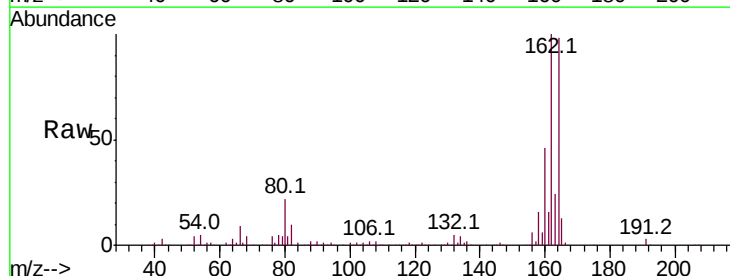


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

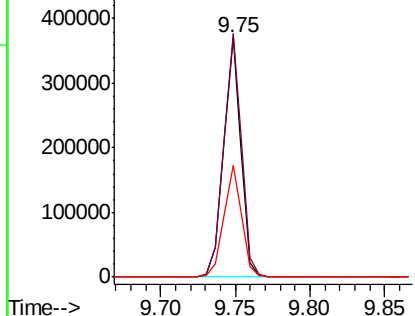
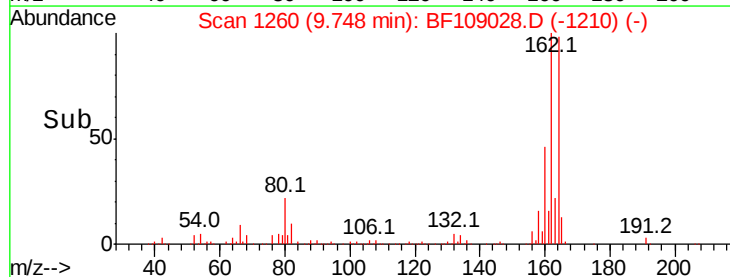


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 86.1  | 129.1 |
| 160     | 46.5  | 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

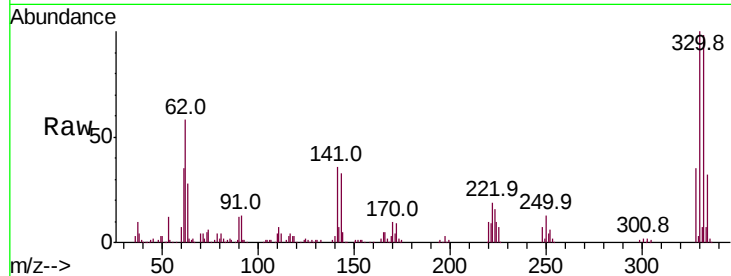




#41  
 2,4,6-Tribromophenol  
 Concen: 87.649 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.0  | 115.6 |
| 141     | 32.1  | 29.9  | 44.9  |

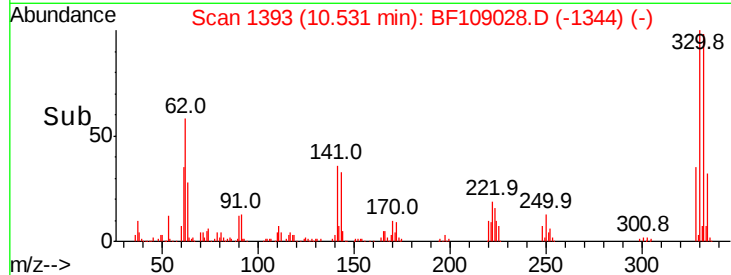
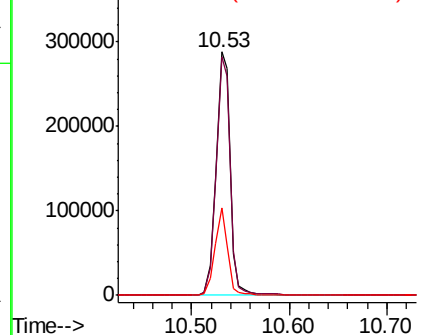


Abundance

Ion 329.80 (329.50 to 330.50): E

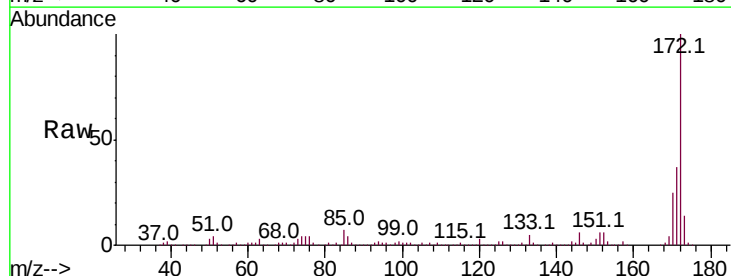
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 84.385 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.7  | 44.5  |
| 170     | 25.2  | 19.6  | 29.4  |

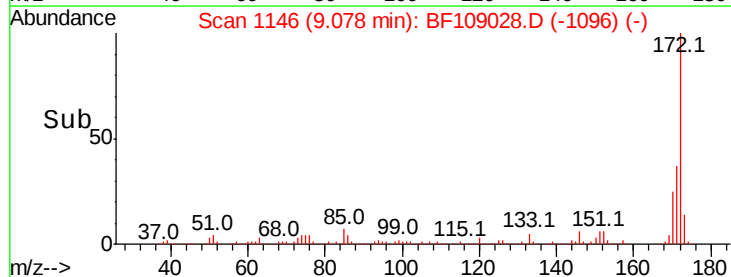
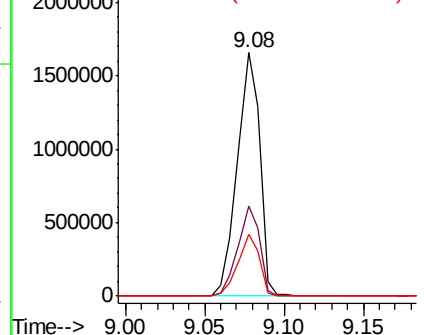


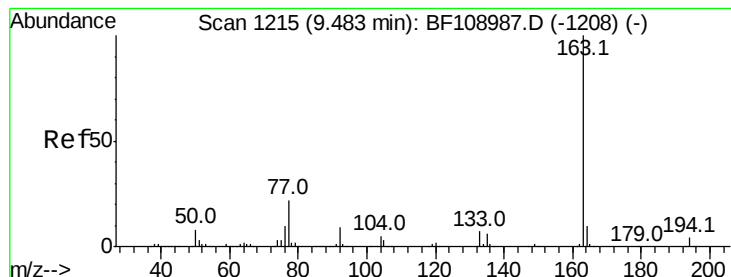
Abundance

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: 6.771 ng

RT: 9.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-D-B

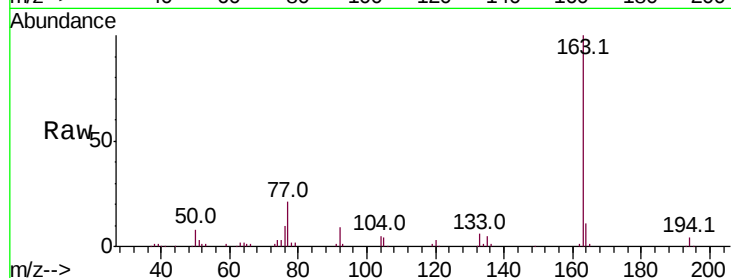
Tot Ion:163 Resp: 146969

Ion Ratio Lower Upper

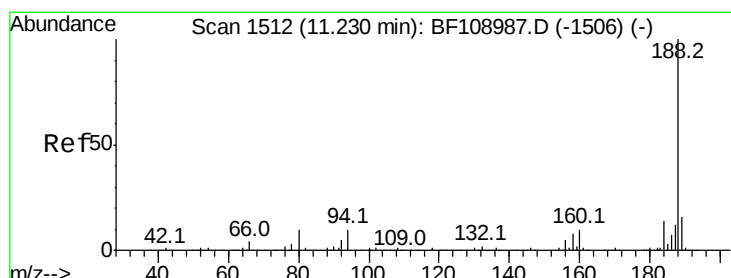
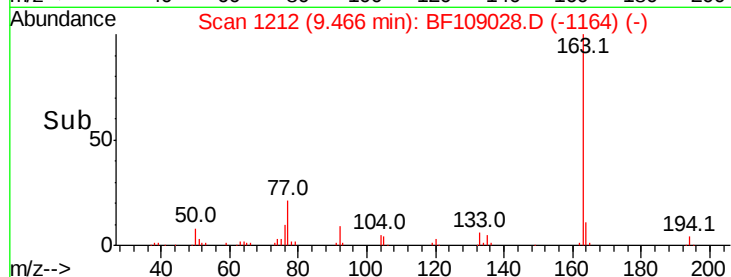
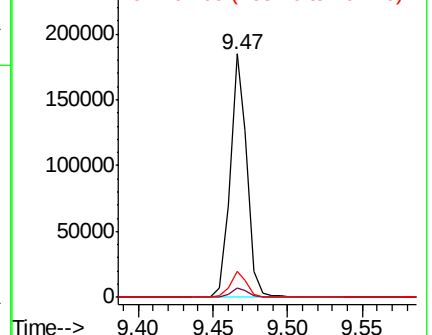
163 100

194 3.7 2.7 4.1

164 10.5 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: 11.22 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

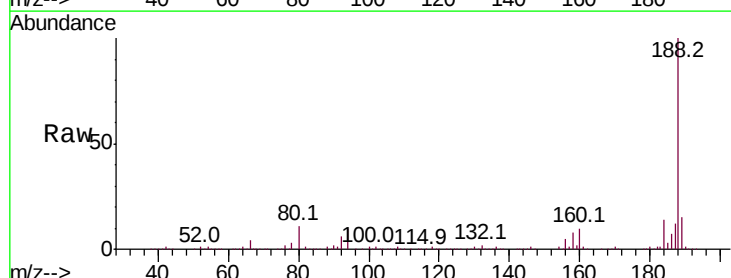
Tgt Ion:188 Resp: 597501

Ion Ratio Lower Upper

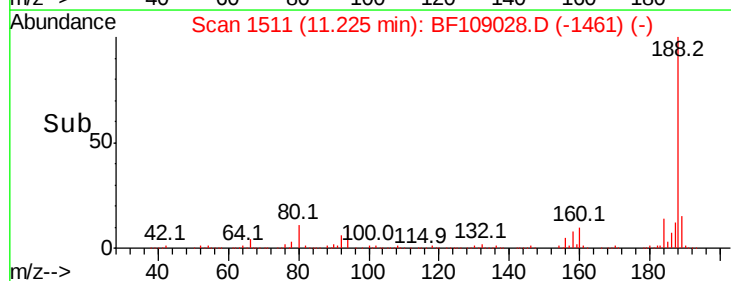
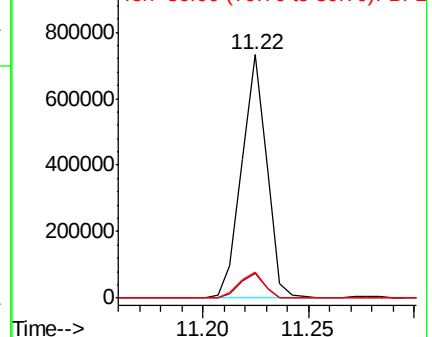
188 100

94 10.2 8.5 12.7

80 10.7 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: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-D-B

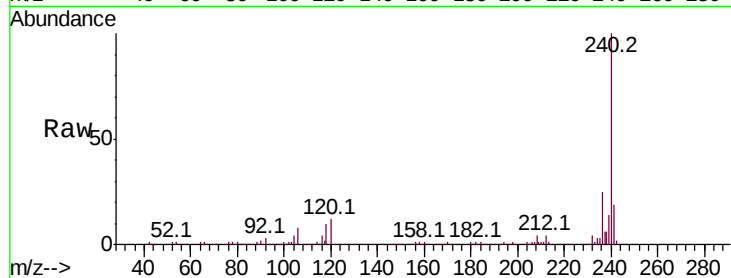
Tot Ion:240 Resp: 420495

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

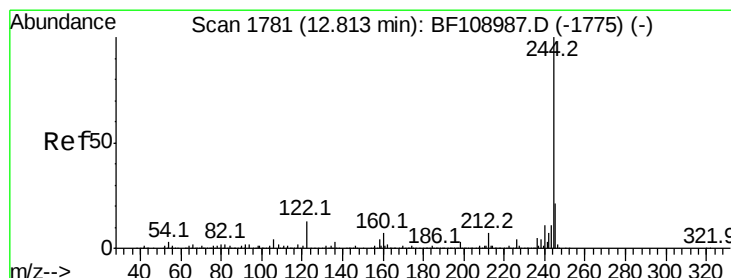
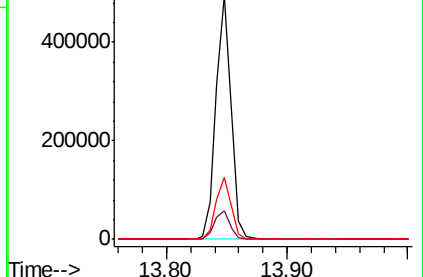
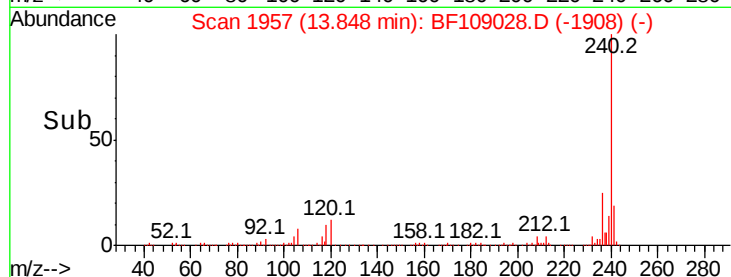
236 25.2 20.7 31.1



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: 100.515 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF109028.D

Acq: 15 Sep 2018 6:51

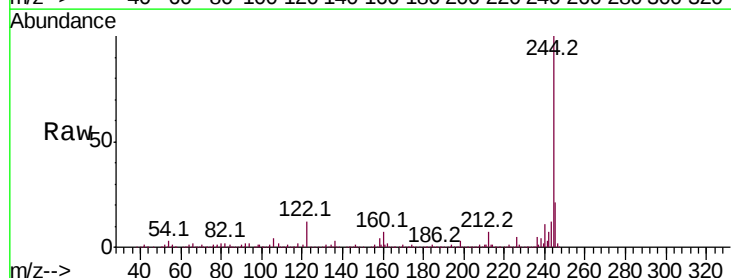
Tgt Ion:244 Resp: 1783172

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

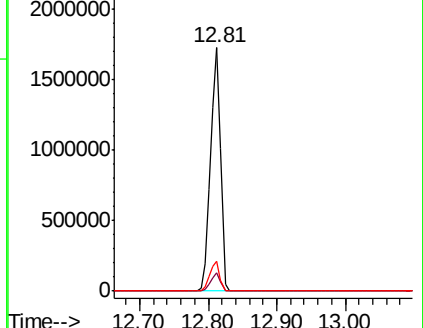
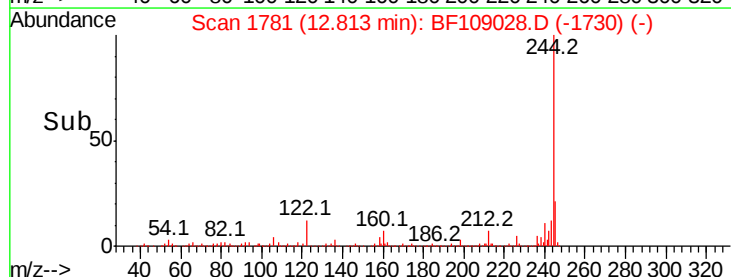
122 12.2 11.0 16.4

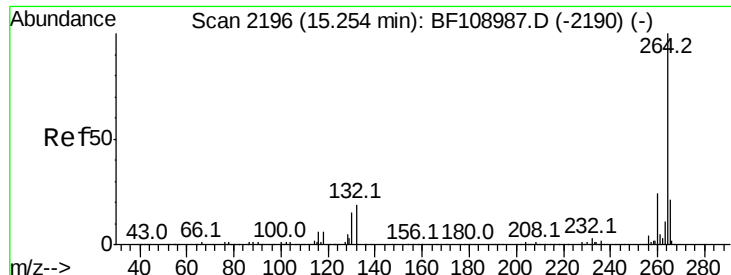


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

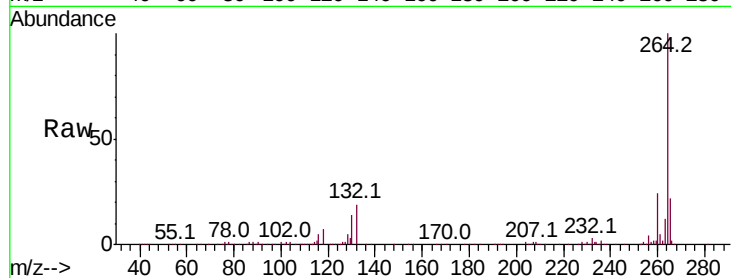




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.25 min Scan# 2195  
 Delta R.T. -0.01 min  
 Lab File: BF109028.D  
 Acq: 15 Sep 2018 6:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 22.3  | 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

