

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\  
 Data File : BF109514.D  
 Acq On : 2 Oct 2018 20:52  
 Operator : JU/SJ  
 Sample : J5186-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-TIPC-F-D-S

Quant Time: Oct 03 04:45:07 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

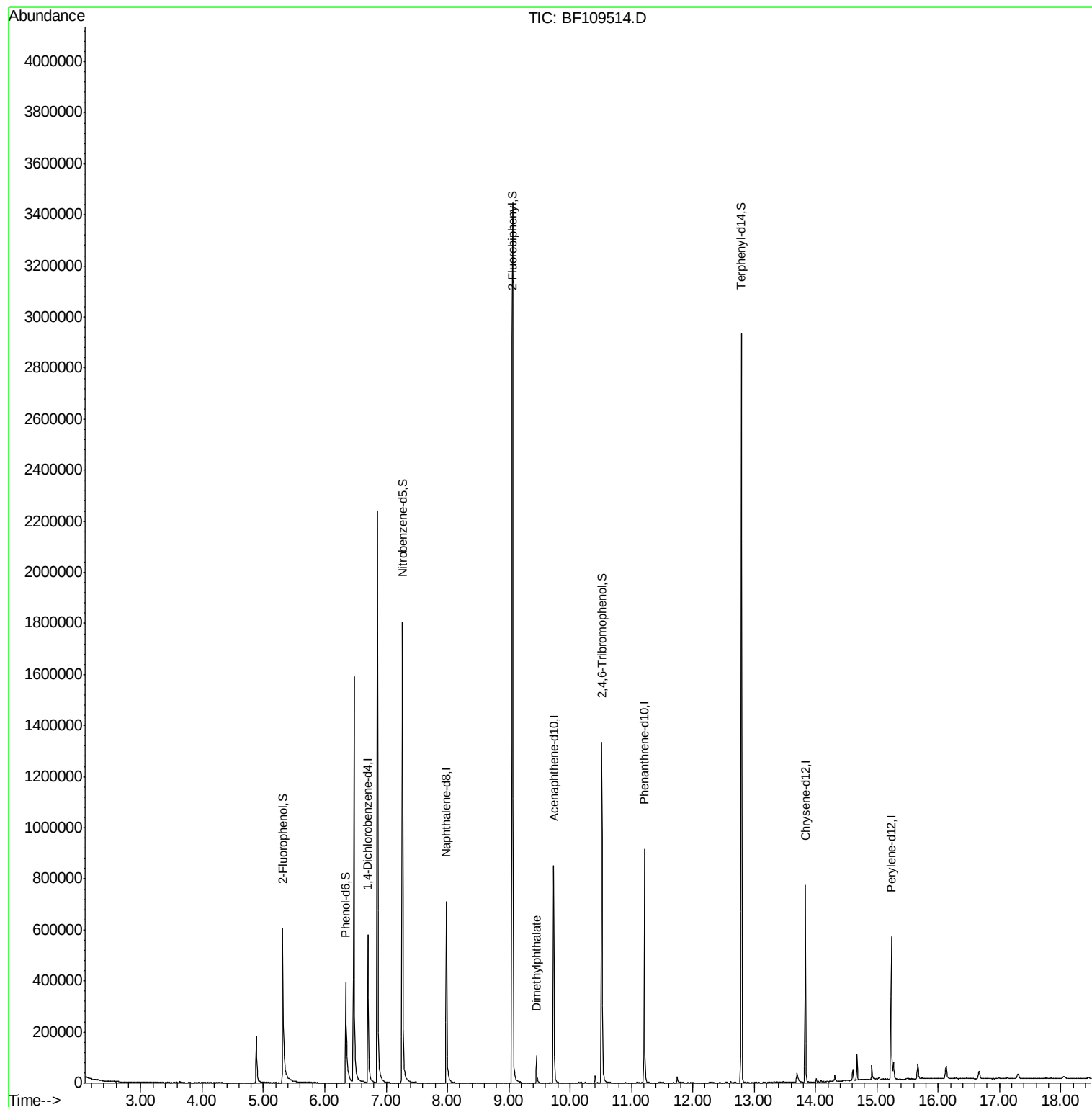
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 108914   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 413338   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.73  | 164  | 186137   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 328407   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 262481   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.24 | 264  | 274394   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 272883   | 41.27  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 215900   | 25.59  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 700247   | 100.01 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 172618   | 94.07  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1195431  | 96.86  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 1045552  | 97.76  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.45  | 163  | 52266    | 3.861  | ng    | 99       |

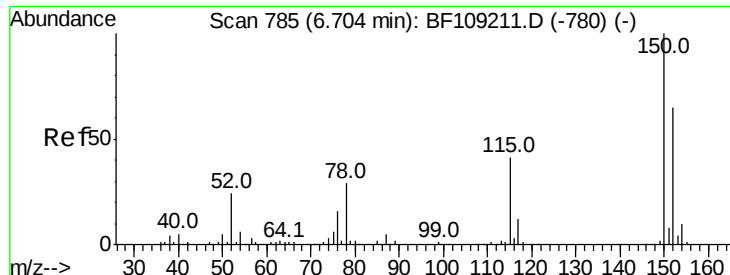
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\  
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Sample : J5186-12  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
092718-TIPC-F-D-S

Quant Time: Oct 03 04:45:07 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



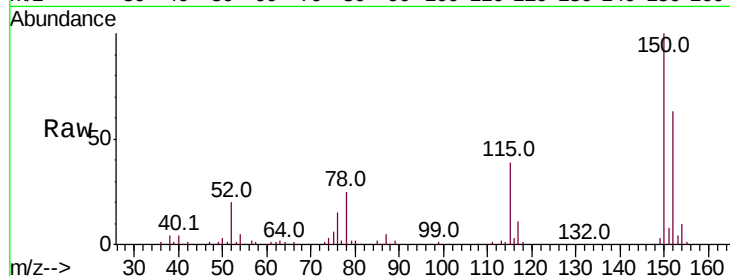


#1

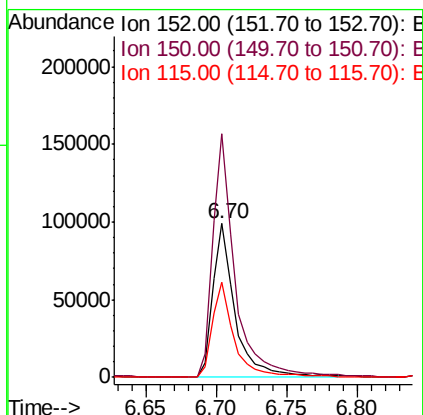
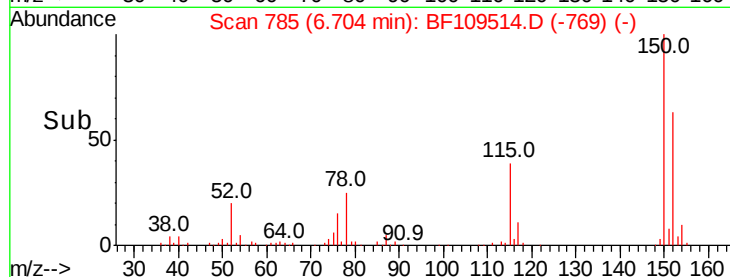
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF109514.D  
 Acq: 2 Oct 2018 20:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-TIPC-F-D-S

Tot Ion:152 Resp: 108914  
 Ion Ratio Lower Upper  
 152 100  
 150 158.7 124.6 186.8  
 115 62.1 50.1 75.1



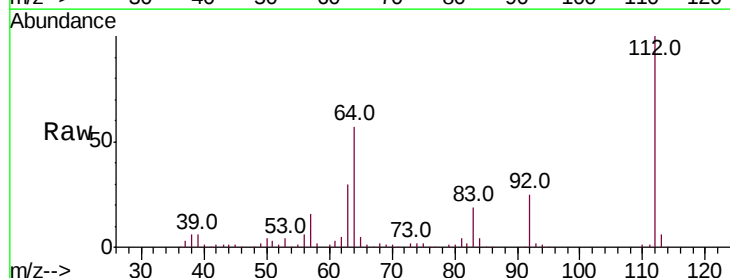
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



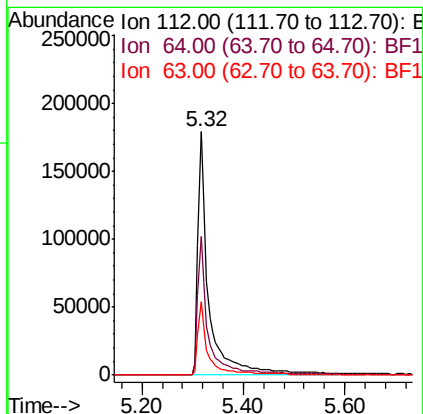
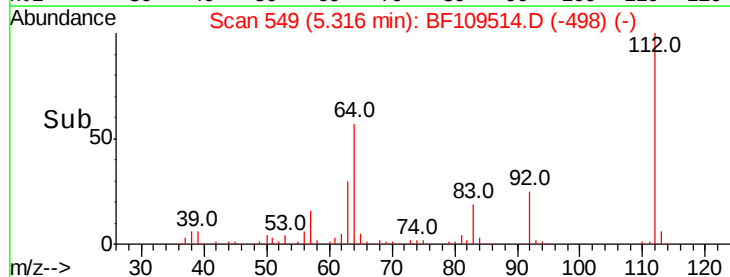
#5

2-Fluorophenol  
 Concen: 41.267 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. -0.00 min  
 Lab File: BF109514.D  
 Acq: 2 Oct 2018 20:52

Tgt Ion:112 Resp: 272883  
 Ion Ratio Lower Upper  
 112 100  
 64 57.1 47.9 71.9  
 63 30.0 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: 25.587 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109514.D

Acq: 2 Oct 2018 20:52

Instrument :

BNA\_F

ClientSampleId :

092718-TIPC-F-D-S

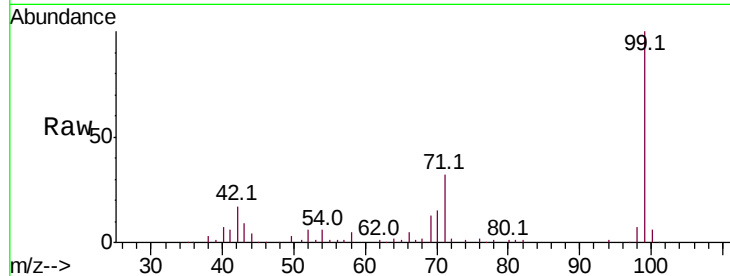
Tot Ion: 99 Resp: 215900

Ion Ratio Lower Upper

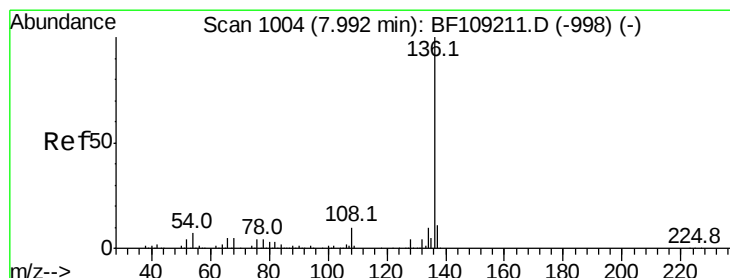
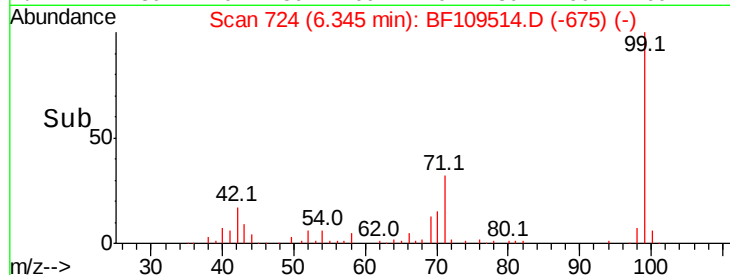
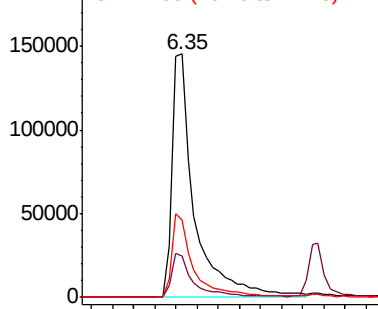
99 100

42 17.2 14.5 21.7

71 31.8 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: BF109514.D

Acq: 2 Oct 2018 20:52

Tgt Ion: 136 Resp: 413338

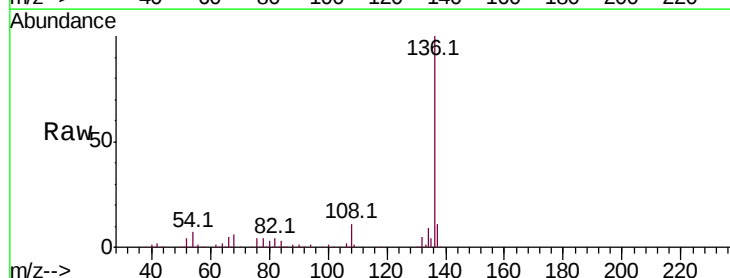
Ion Ratio Lower Upper

136 100

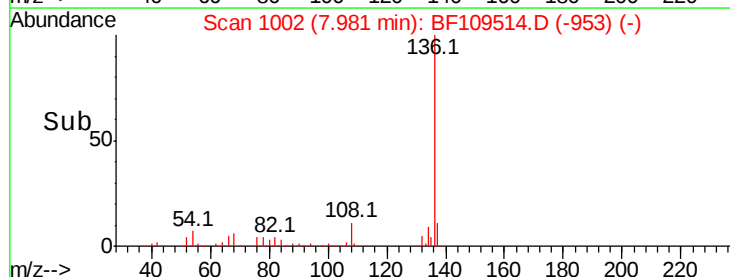
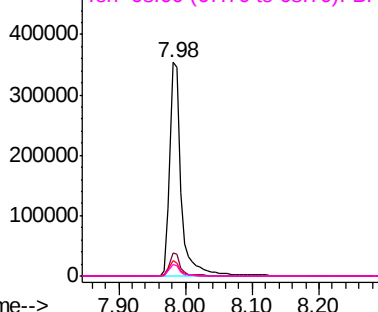
137 10.8 8.9 13.3

54 7.4 6.6 9.8

68 5.6 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

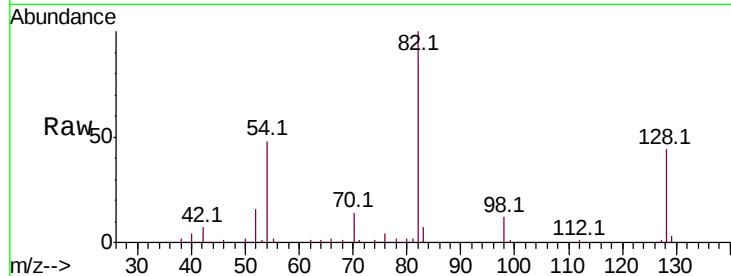




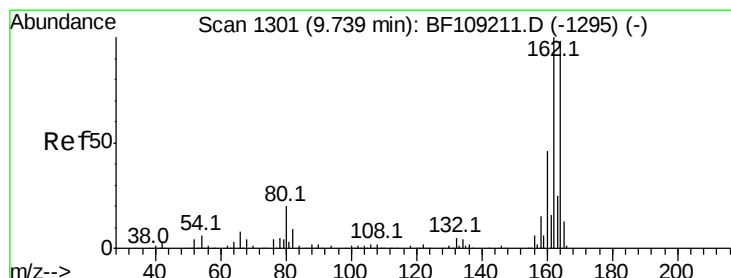
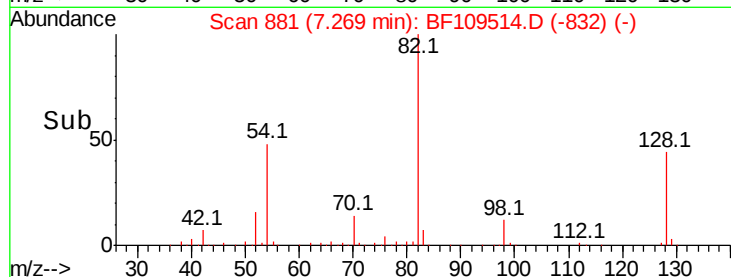
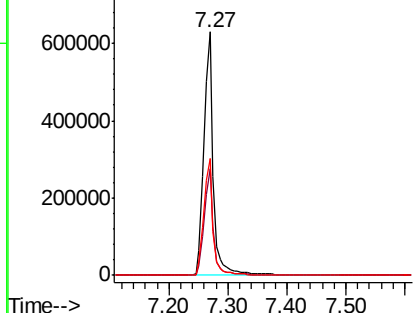
#23  
Nitrobenzene-d5  
Concen: 100.007 ng  
RT: 7.27 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF109514.D  
Acq: 2 Oct 2018 20:52

Instrument :  
BNA\_F  
ClientSampleId :  
092718-TIPC-F-D-S

Tot Ion: 82 Resp: 700247  
Ion Ratio Lower Upper  
82 100  
128 44.0 36.1 54.1  
54 48.0 41.4 62.2

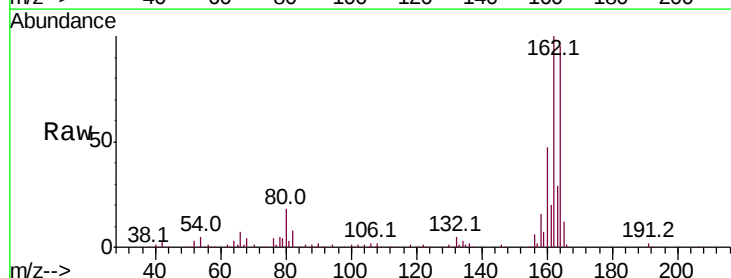


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

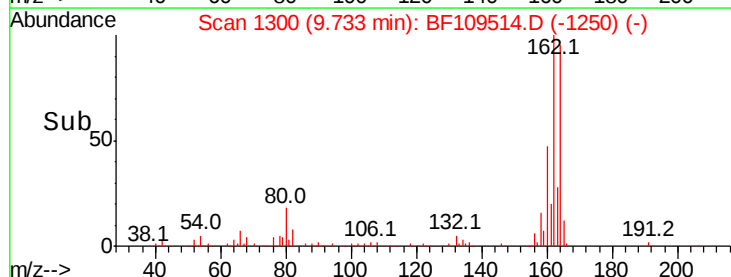
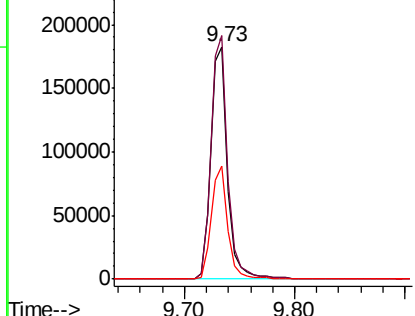


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF109514.D  
Acq: 2 Oct 2018 20:52

Tgt Ion:164 Resp: 186137  
Ion Ratio Lower Upper  
164 100  
162 104.7 86.1 129.1  
160 48.8 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

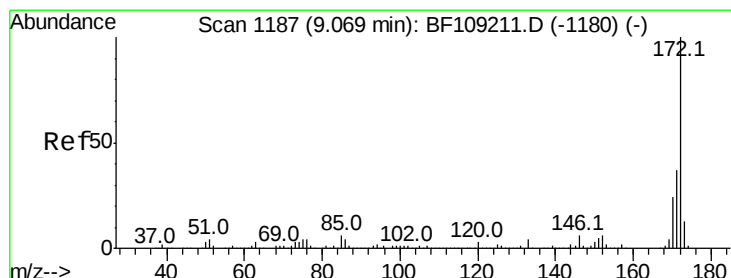
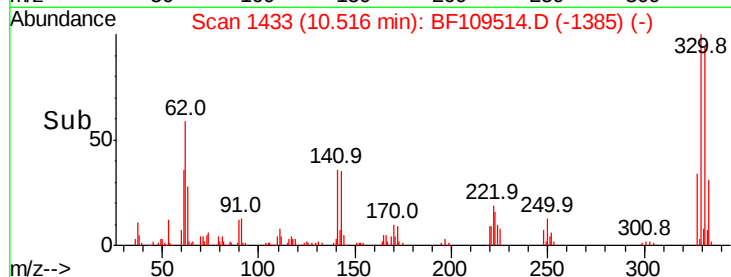
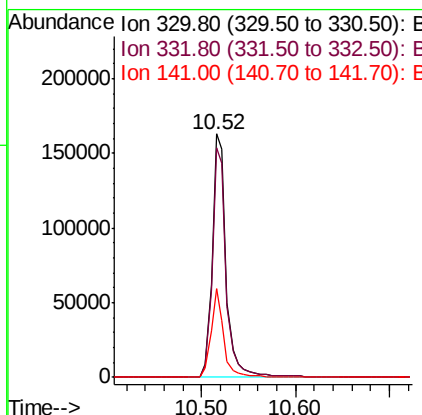
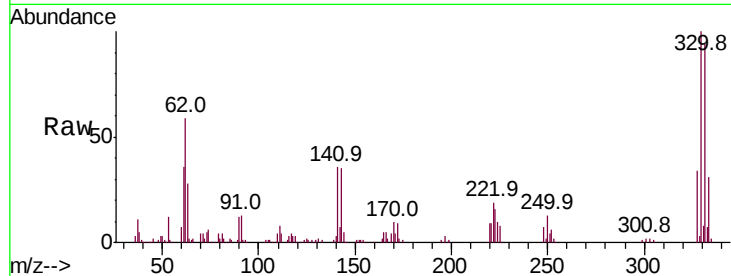




#41  
 2,4,6-Tribromophenol  
 Concen: 94.074 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109514.D  
 Acq: 2 Oct 2018 20:52

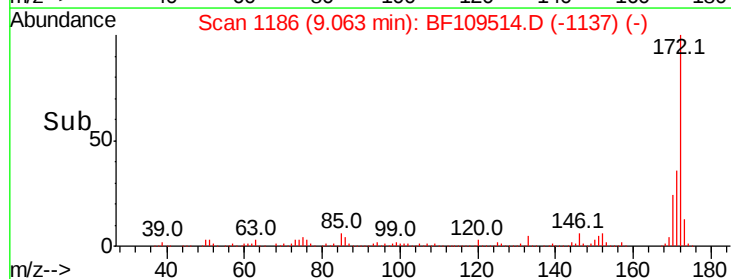
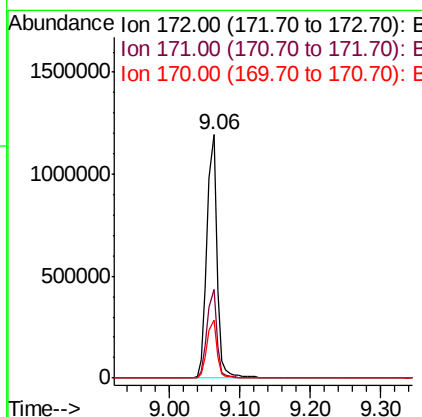
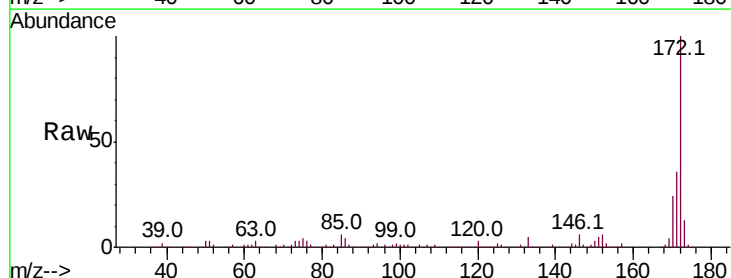
Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-TIPC-F-D-S

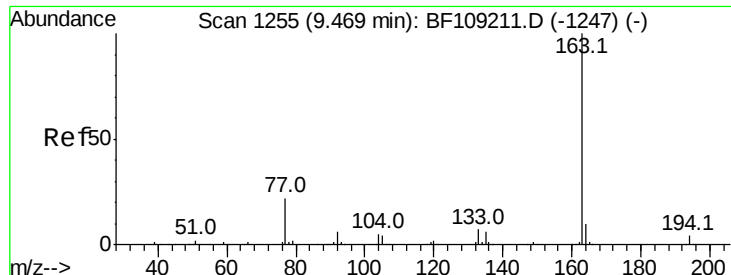
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.5  | 77.0  | 115.6 |
| 141     | 32.8  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 96.861 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109514.D  
 Acq: 2 Oct 2018 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |

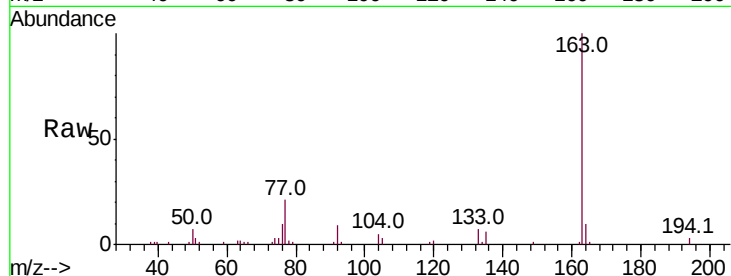




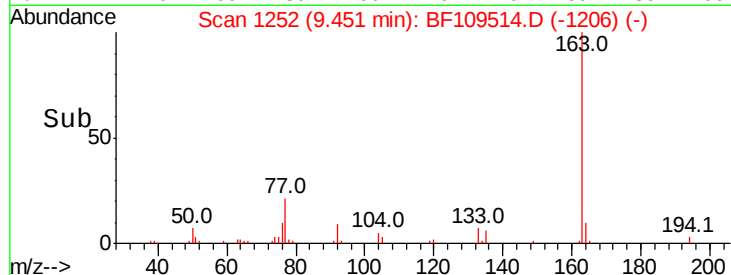
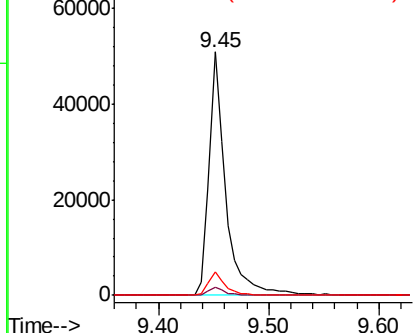
#49  
Dimethylphthalate  
Concen: 3.861 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.03 min  
Lab File: BF109514.D  
Acq: 2 Oct 2018 20:52

Instrument :  
BNA\_F  
ClientSampleId :  
092718-TIPC-F-D-S

Tot Ion:163 Resp: 52266  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.8 8.2 12.2

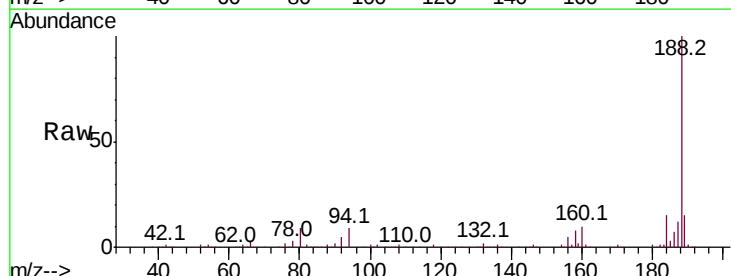


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

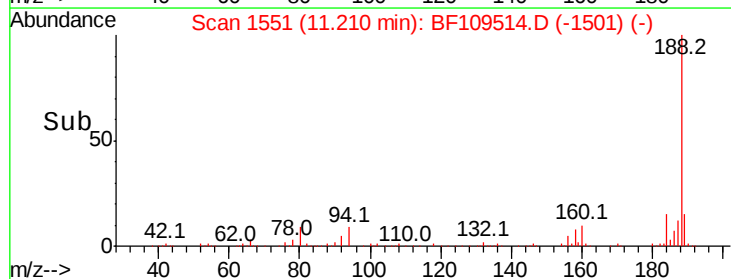
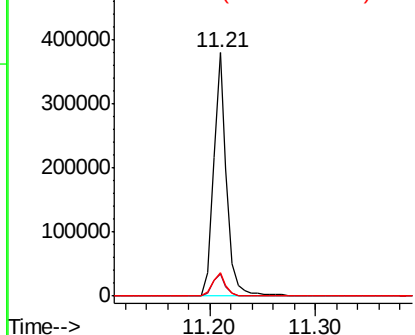


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109514.D  
Acq: 2 Oct 2018 20:52

Tgt Ion:188 Resp: 328407  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.5 12.7  
80 9.4 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: BF109514.D

Acq: 2 Oct 2018 20:52

Instrument :

BNA\_F

ClientSampleId :

092718-TIPC-F-D-S

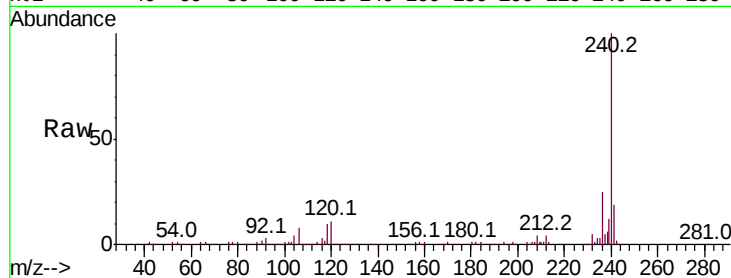
Tot Ion:240 Resp: 262481

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

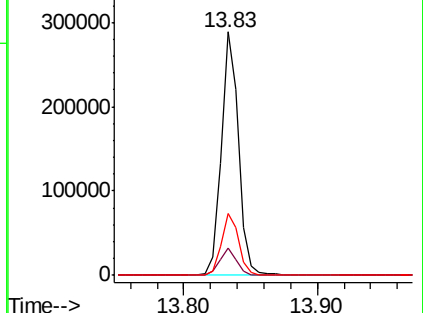
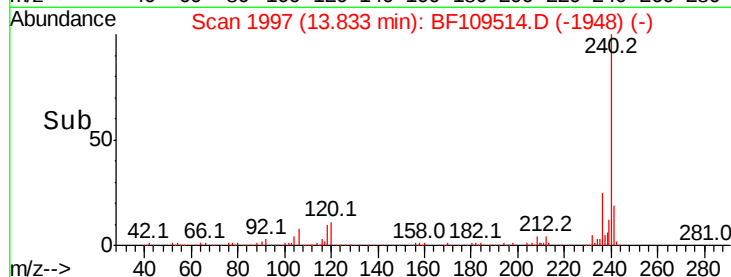
236 25.2 20.7 31.1



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: 97.758 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109514.D

Acq: 2 Oct 2018 20:52

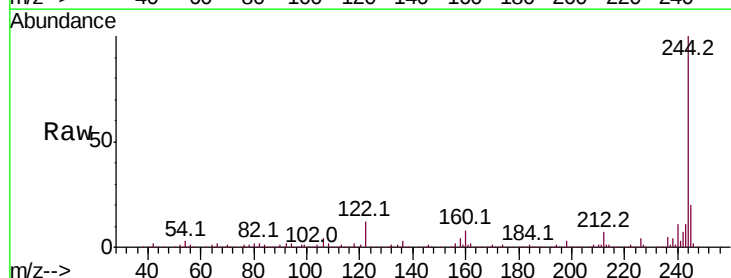
Tgt Ion:244 Resp: 1045552

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

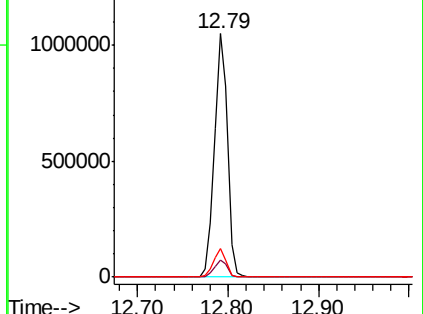
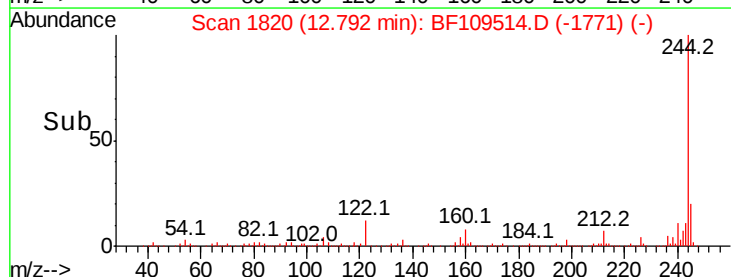
122 11.9 11.0 16.4

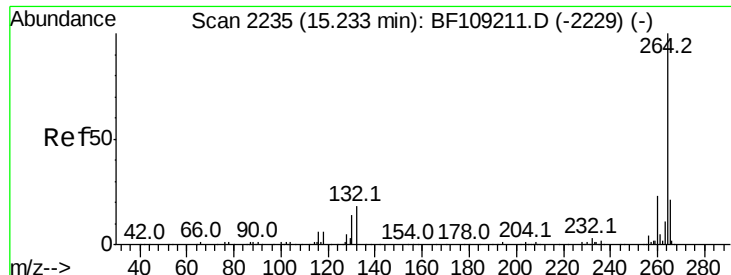


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.24 min Scan# 2236  
 Delta R.T. -0.00 min  
 Lab File: BF109514.D  
 Acq: 2 Oct 2018 20:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092718-TIPC-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 19.2  | 28.8  |
| 265     | 20.6  | 17.5  | 26.3  |

