

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\  
 Data File : BF109576.D  
 Acq On : 4 Oct 2018 5:27  
 Operator : JU/SJ  
 Sample : J5221-16  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100118-SIDI-E-U-S

Quant Time: Oct 04 07:20:44 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

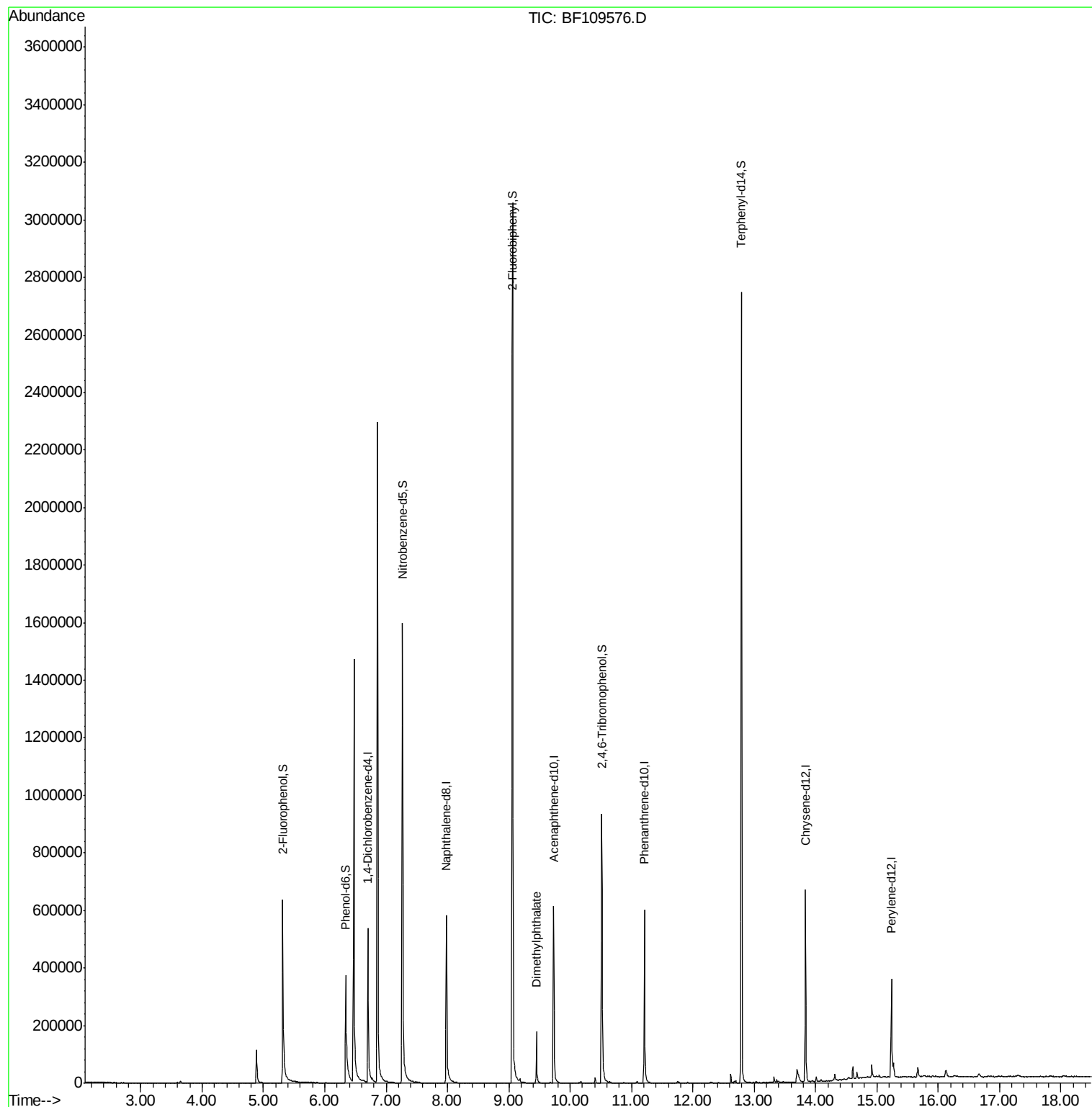
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 102117   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 356100   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.73  | 164  | 142158   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 255095   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.84 | 240  | 249175   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 167845   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 247864   | 39.98  | ng    | 0.00     |
| 7) Phenol-d6                | 6.34  | 99   | 194412   | 24.57  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 646886   | 107.24 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 134230   | 95.78  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1069875  | 113.51 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 1023262  | 100.78 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.45  | 163  | 82893    | 8.017  | ng    | 98       |

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

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Response via : Initial Calibration



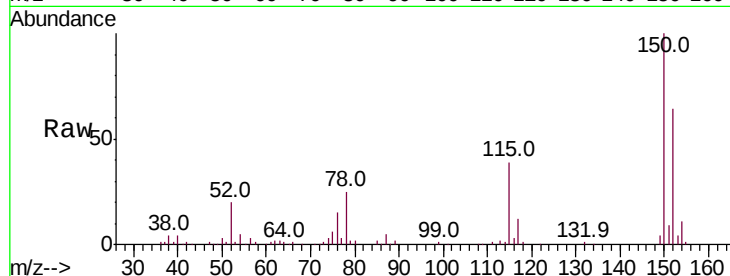


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109576.D  
Acq: 4 Oct 2018 5:27

Instrument :  
BNA\_F  
ClientSampleId :  
100118-SIDI-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 124.6 | 186.8 |
| 115     | 60.1  | 50.1  | 75.1  |

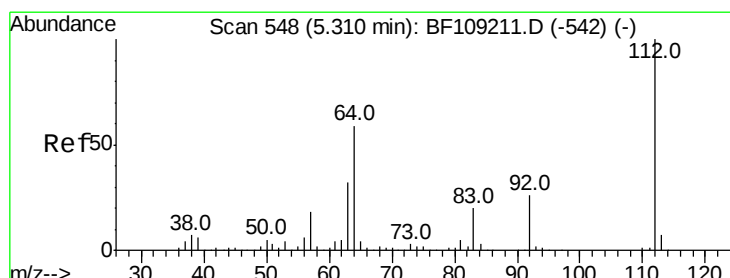
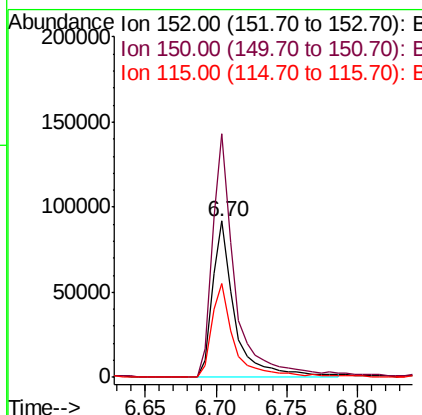
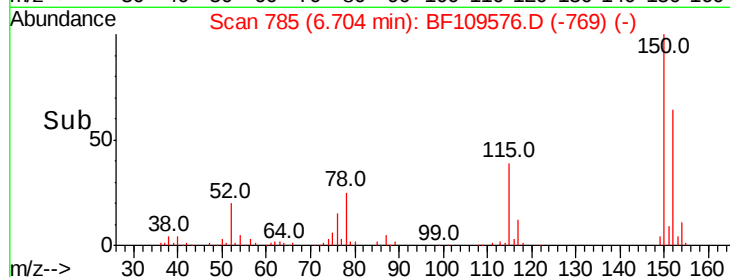


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

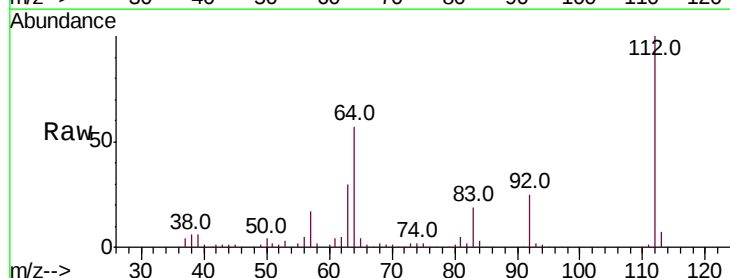
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 39.979 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF109576.D  
Acq: 4 Oct 2018 5:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.5  | 47.9  | 71.9  |
| 63      | 30.3  | 23.7  | 35.5  |

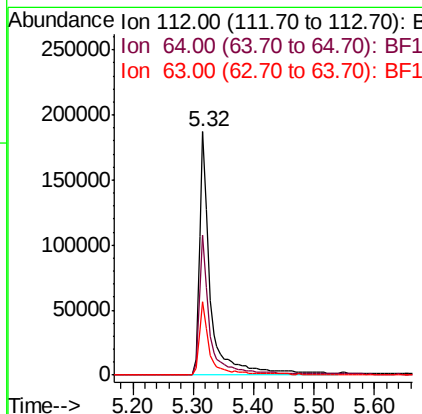
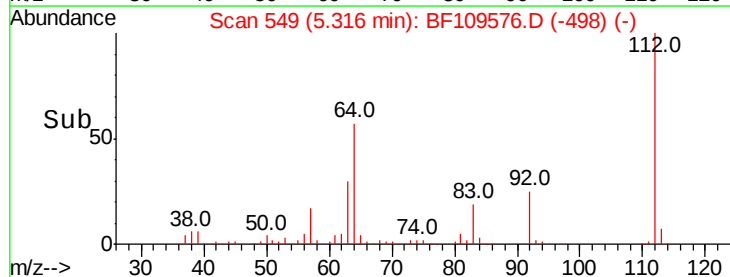


Abundance

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: 24.574 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109576.D

Acq: 4 Oct 2018 5:27

Instrument :

BNA\_F

ClientSampleId :

100118-SIDI-E-U-S

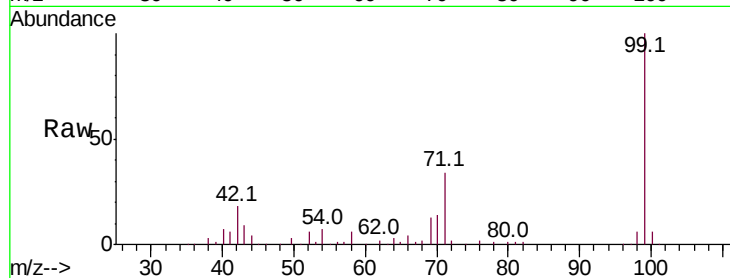
Tot Ion: 99 Resp: 194412

Ion Ratio Lower Upper

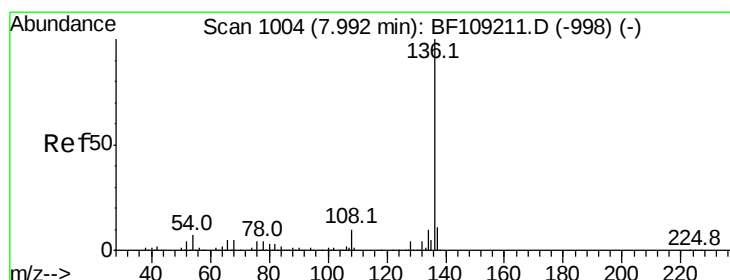
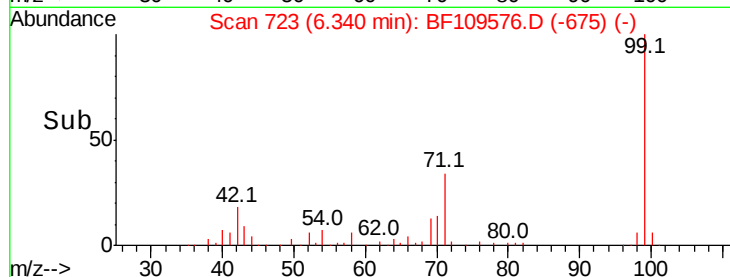
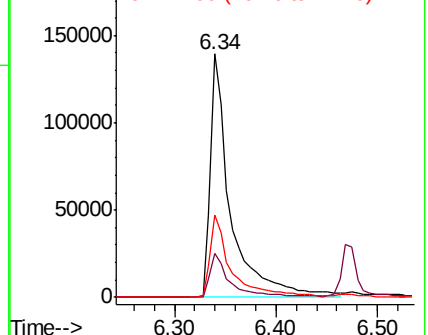
99 100

42 17.8 14.5 21.7

71 33.6 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: BF109576.D

Acq: 4 Oct 2018 5:27

Tgt Ion: 136 Resp: 356100

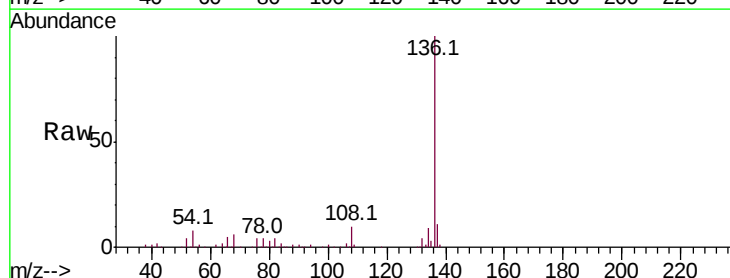
Ion Ratio Lower Upper

136 100

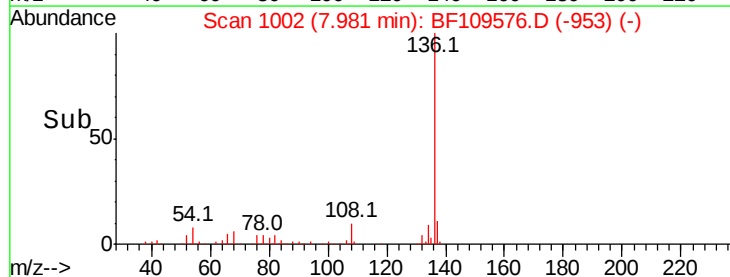
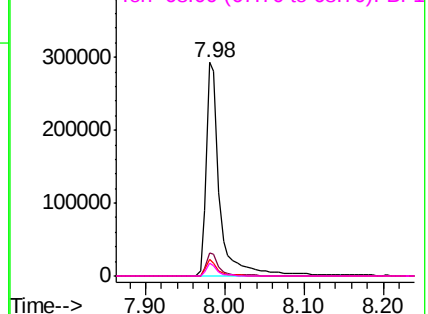
137 11.1 8.9 13.3

54 7.6 6.6 9.8

68 5.9 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

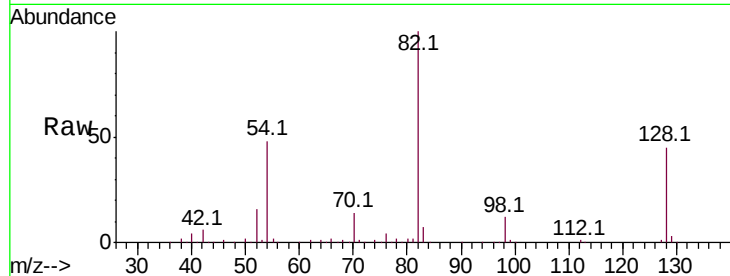




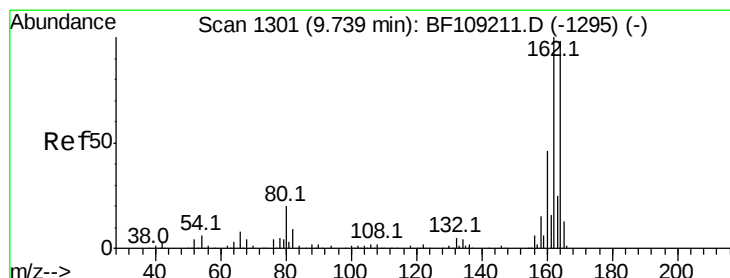
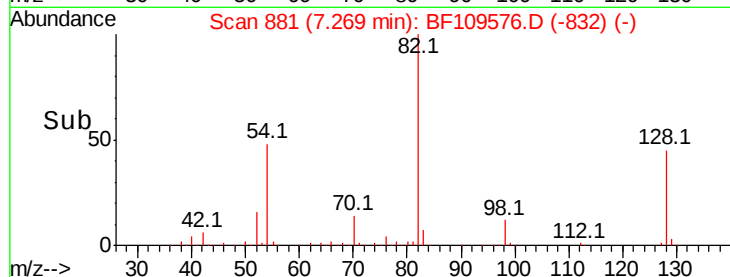
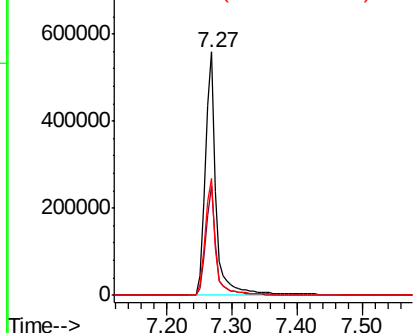
#23  
 Nitrobenzene-d5  
 Concen: 107.236 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109576.D  
 Acq: 4 Oct 2018 5:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100118-SIDI-E-U-S

Tot Ion: 82 Resp: 646886  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 36.1 54.1  
 54 48.0 41.4 62.2

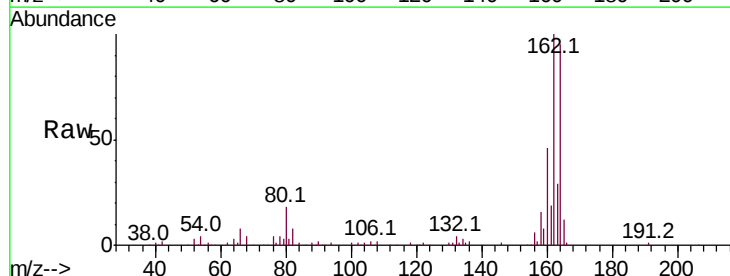


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

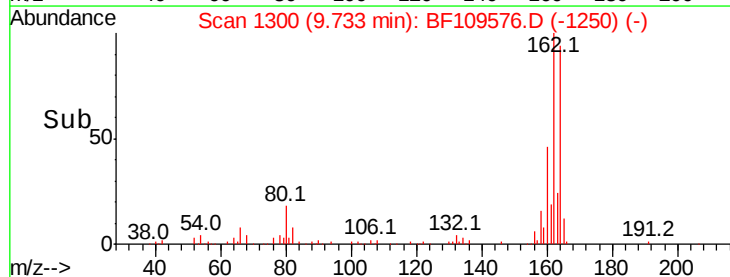
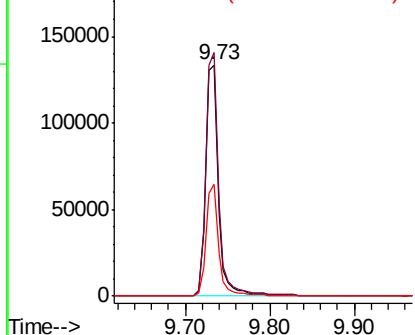


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF109576.D  
 Acq: 4 Oct 2018 5:27

Tgt Ion:164 Resp: 142158  
 Ion Ratio Lower Upper  
 164 100  
 162 105.5 86.1 129.1  
 160 48.3 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

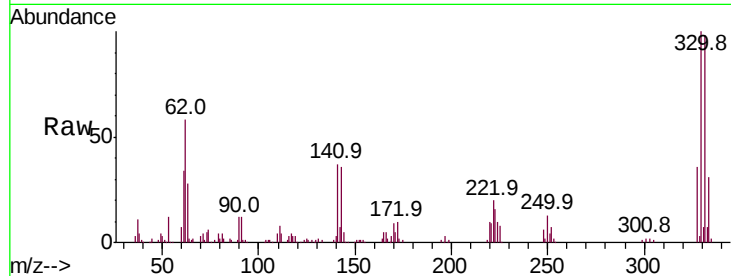




#41  
 2,4,6-Tribromophenol  
 Concen: 95.784 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109576.D  
 Acq: 4 Oct 2018 5:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100118-SIDI-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.1  | 77.0  | 115.6 |
| 141     | 33.3  | 29.9  | 44.9  |

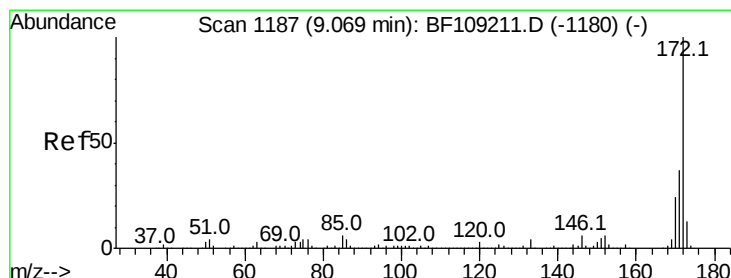
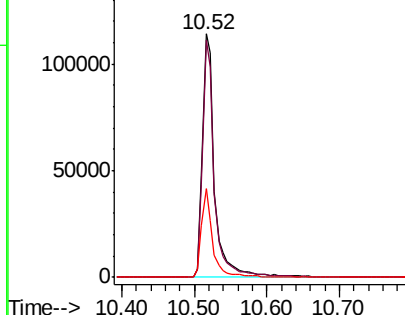
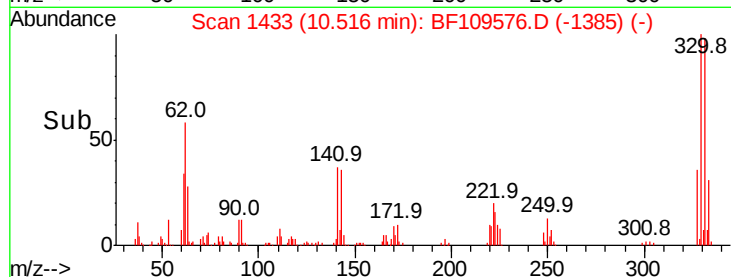


Abundance

Ion 329.80 (329.50 to 330.50): E

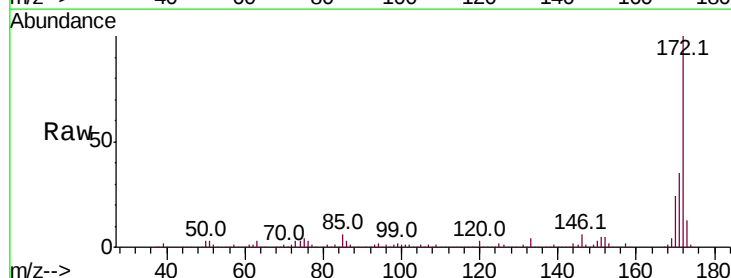
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 113.506 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109576.D  
 Acq: 4 Oct 2018 5:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |

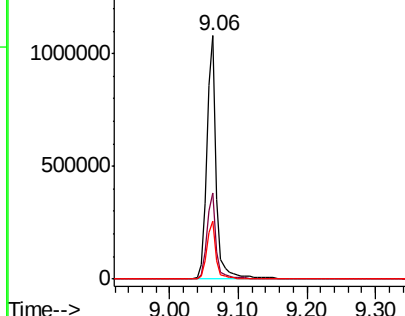
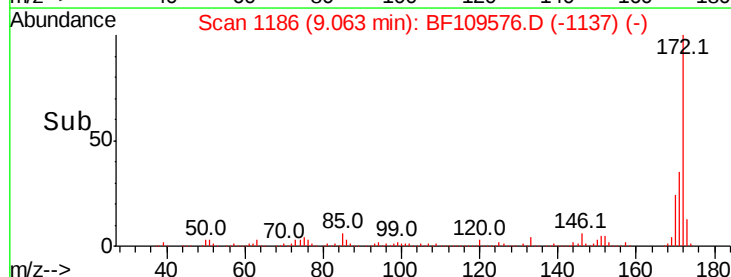


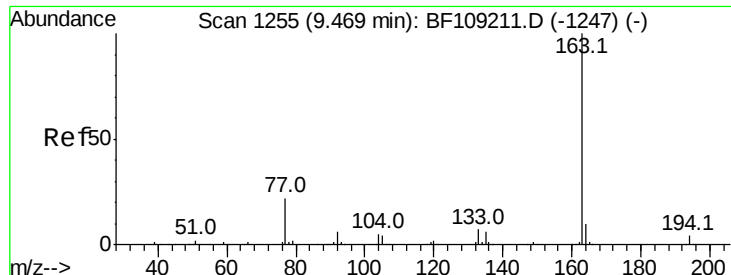
Abundance

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

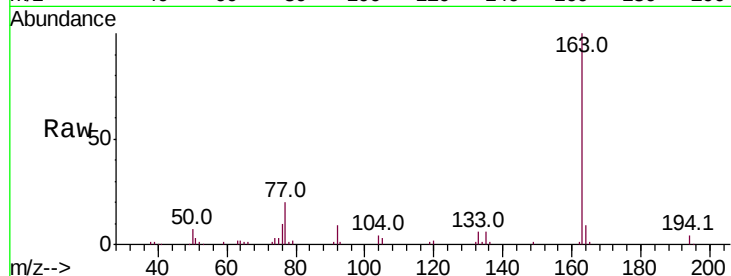




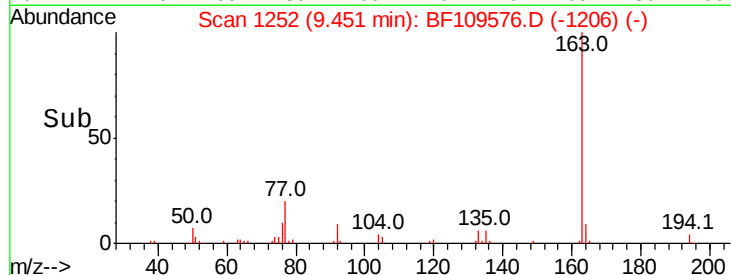
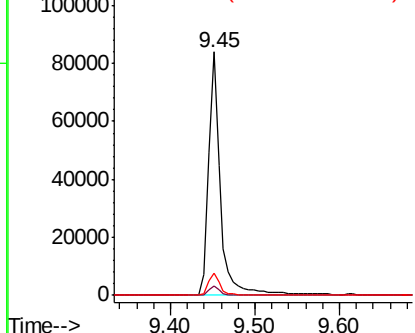
#49  
Dimethylphthalate  
Concen: 8.017 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.03 min  
Lab File: BF109576.D  
Acq: 4 Oct 2018 5:27

Instrument :  
BNA\_F  
ClientSampleId :  
100118-SIDI-E-U-S

Tot Ion:163 Resp: 82893  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 9.3 8.2 12.2

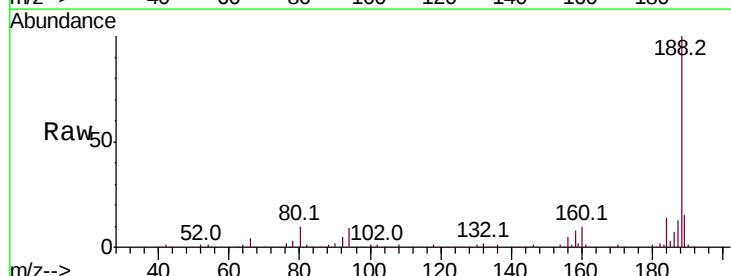


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

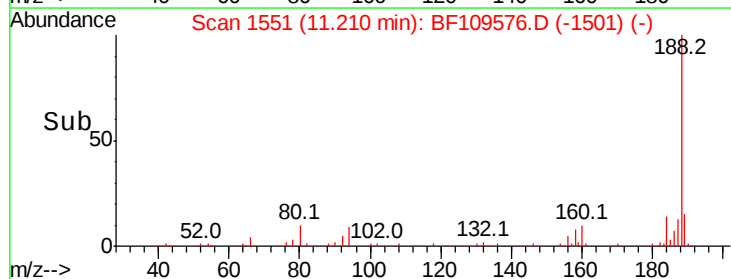
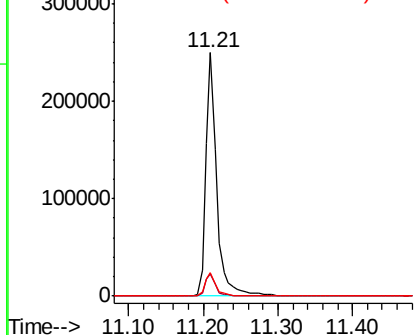


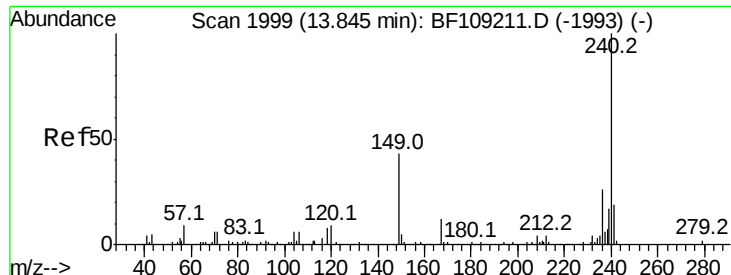
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109576.D  
Acq: 4 Oct 2018 5:27

Tgt Ion:188 Resp: 255095  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.5 12.7  
80 9.7 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109576.D

Acq: 4 Oct 2018 5:27

Instrument :

BNA\_F

ClientSampleId :

100118-SIDI-E-U-S

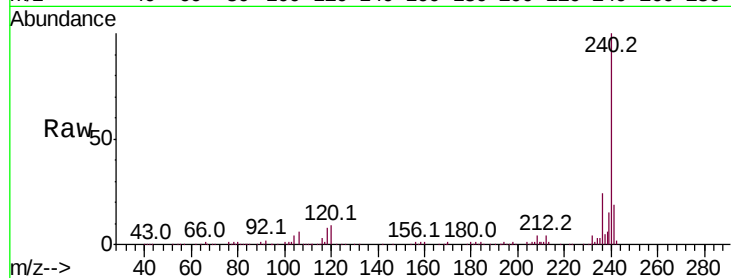
Tot Ion:240 Resp: 249175

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

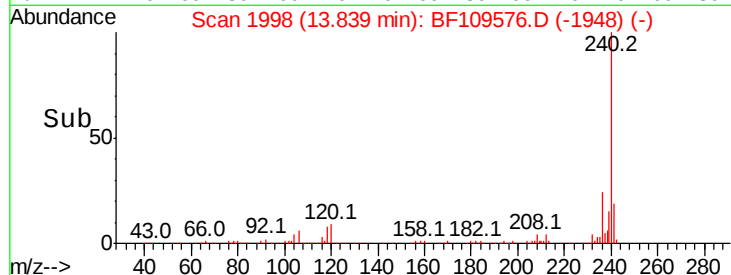
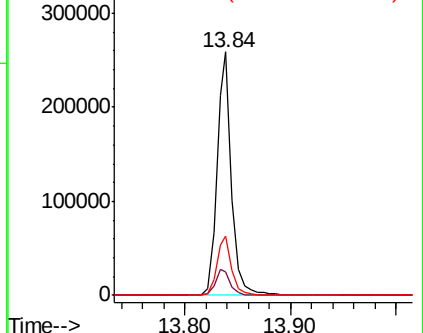
236 24.2 20.7 31.1



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: 100.783 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109576.D

Acq: 4 Oct 2018 5:27

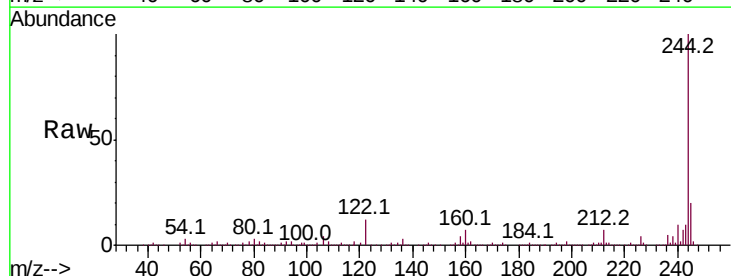
Tgt Ion:244 Resp: 1023262

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

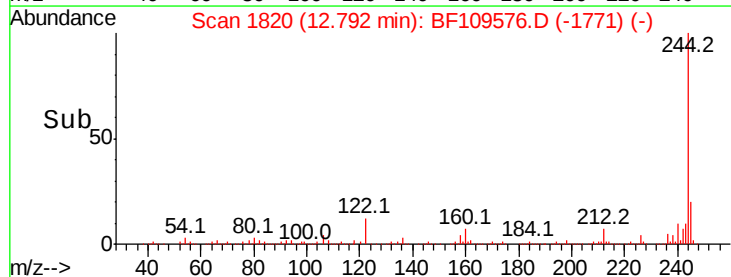
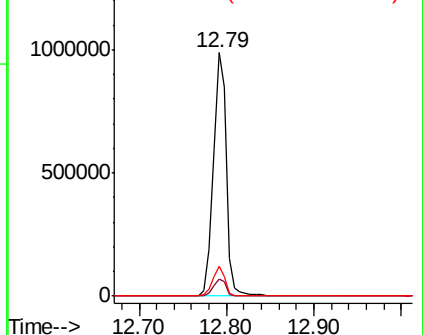
122 12.1 11.0 16.4

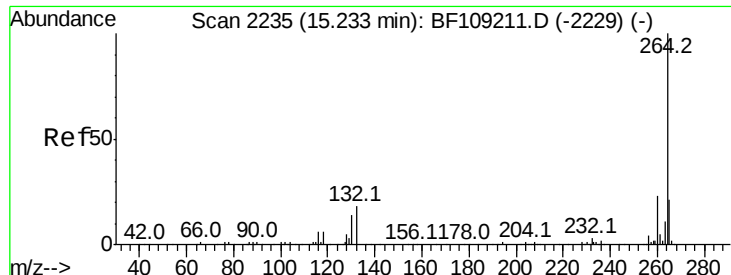


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

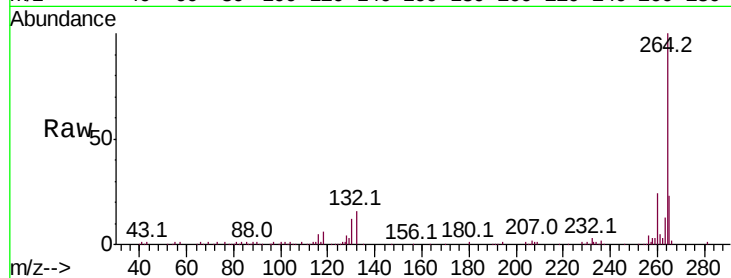




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. 0.00 min  
 Lab File: BF109576.D  
 Acq: 4 Oct 2018 5:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100118-SIDI-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 22.7  | 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

