

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\  
 Data File : BF108884.D  
 Acq On : 8 Sep 2018 2:18  
 Operator : JU/SJ  
 Sample : J4811-11  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090518-TIPC-E-D-M

Quant Time: Sep 08 03:31:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

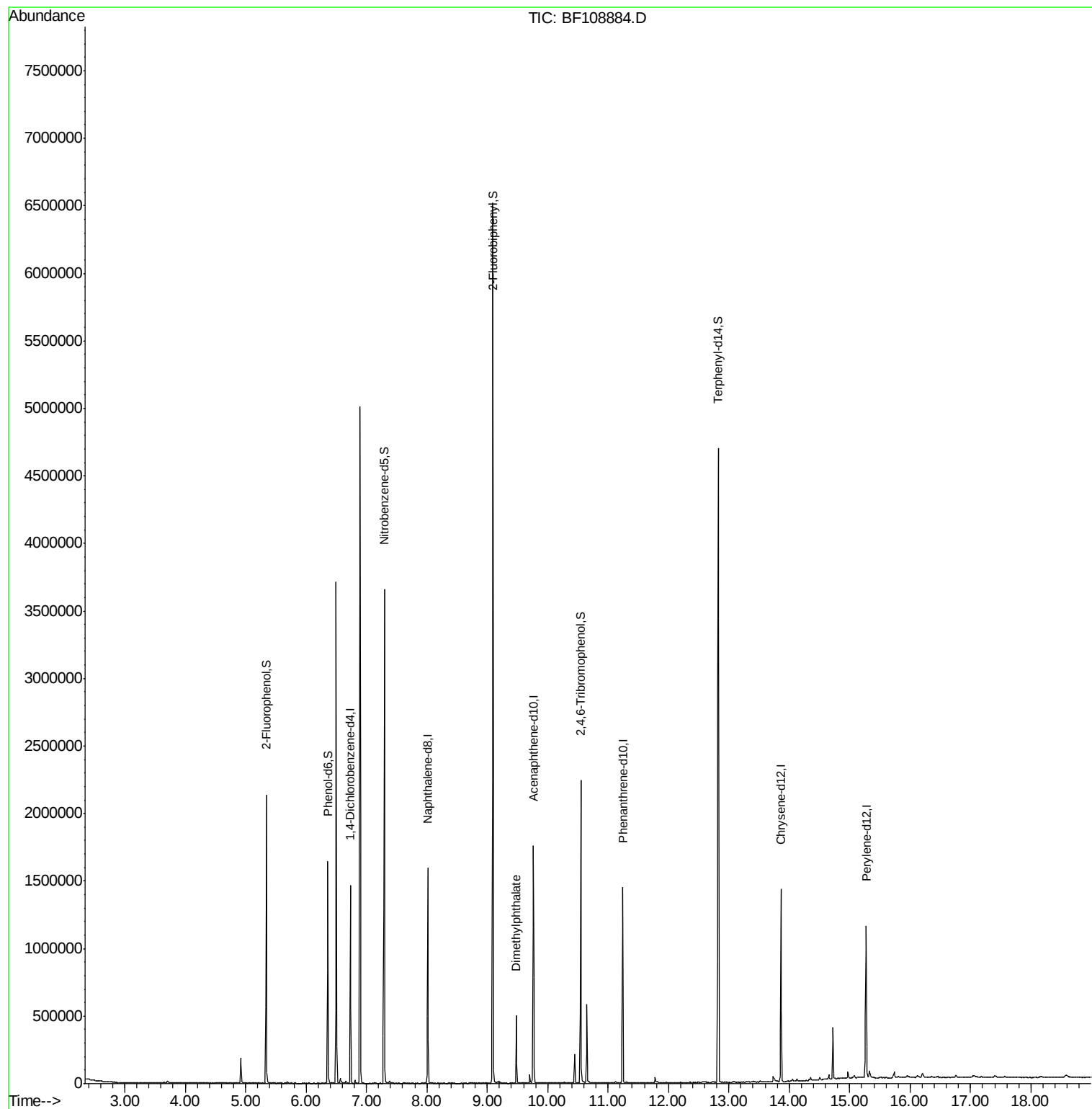
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 200469   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.02  | 136  | 714488   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.77  | 164  | 304542   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.24 | 188  | 482646   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 13.87 | 240  | 455304   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.27 | 264  | 486187   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.34  | 112  | 561697   | 46.42  | ng    | 0.00           |
| 7) Phenol-d6                | 6.36  | 99   | 454697   | 29.20  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1293431  | 113.29 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 255299   | 87.81  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 2001666  | 112.13 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.82 | 244  | 1575181  | 80.68  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.48  | 163  | 179588   | 8.431  | ng    | Qvalue<br># 99 |

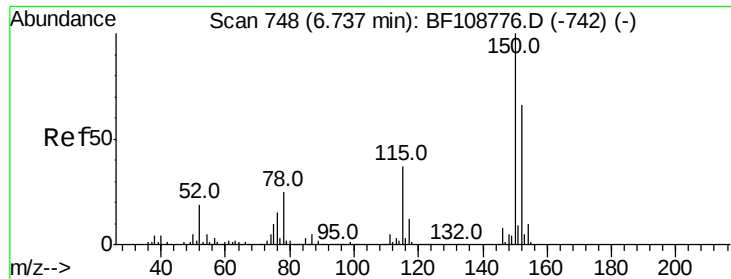
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\  
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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
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090518-TIPC-E-D-M

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
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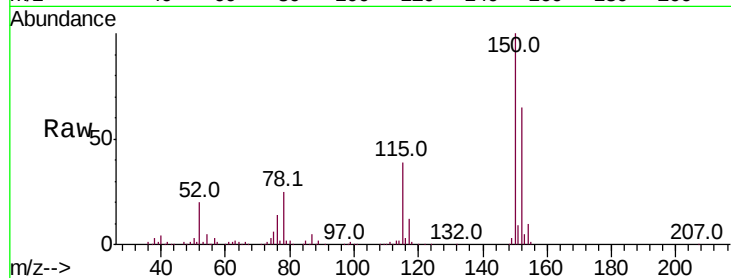


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 748  
 Delta R.T. -0.00 min  
 Lab File: BF108884.D  
 Acq: 8 Sep 2018 2:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 090518-TIPC-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 124.6 | 186.8 |
| 115     | 59.7  | 50.1  | 75.1  |

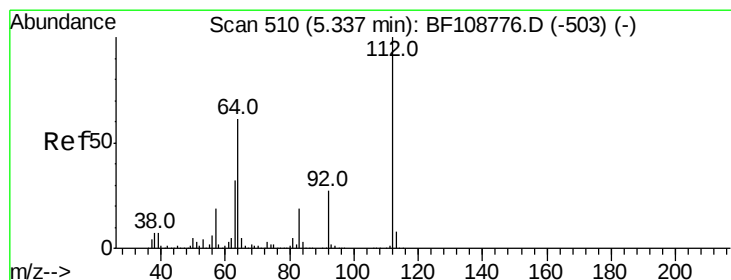
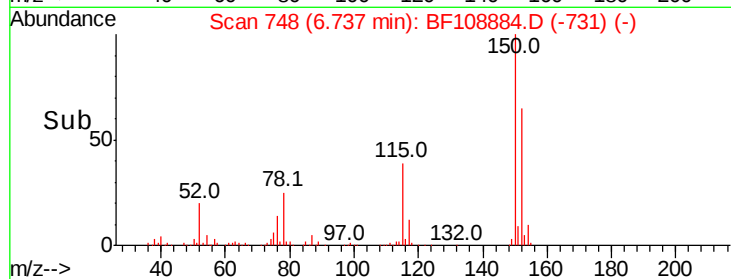
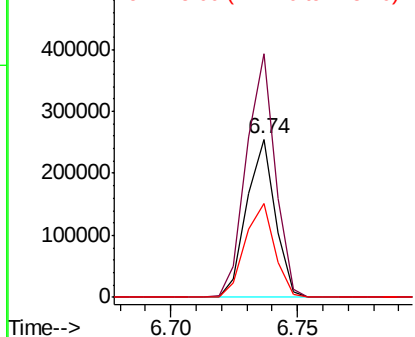


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

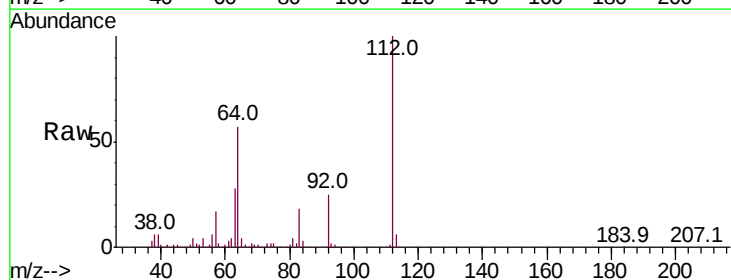
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 46.418 ng  
 RT: 5.34 min Scan# 511  
 Delta R.T. 0.01 min  
 Lab File: BF108884.D  
 Acq: 8 Sep 2018 2:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.9  | 47.9  | 71.9  |
| 63      | 28.2  | 23.7  | 35.5  |

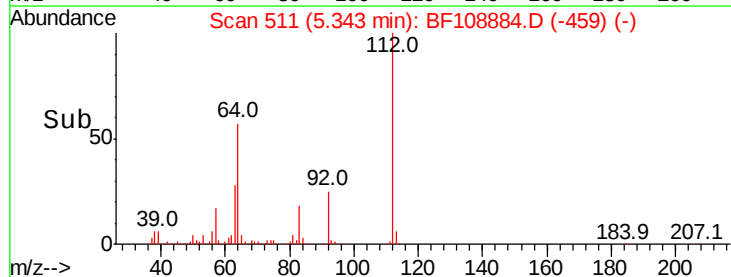
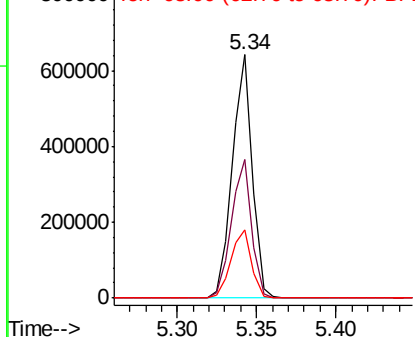


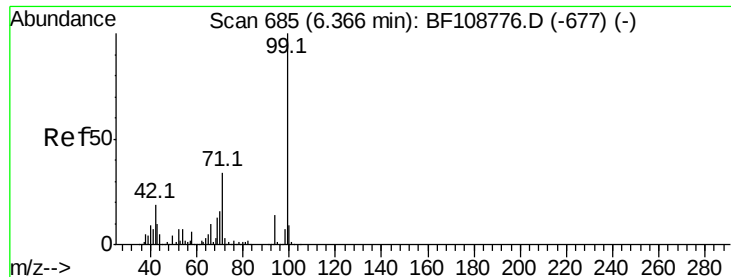
Abundance

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: 29.204 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

Instrument :

BNA\_F

ClientSampleId :

090518-TIPC-E-D-M

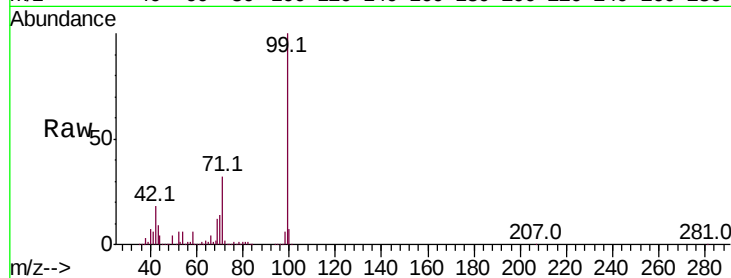
Tot Ion: 99 Resp: 454697

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

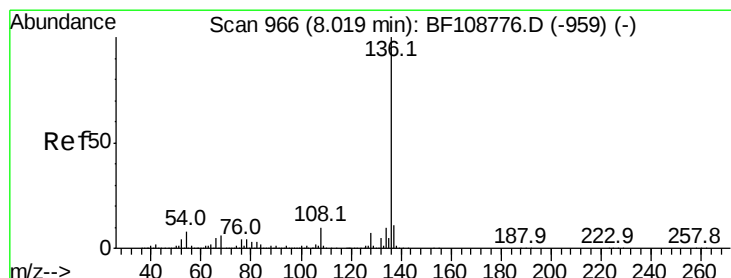
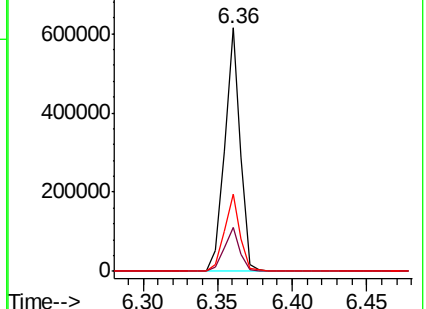
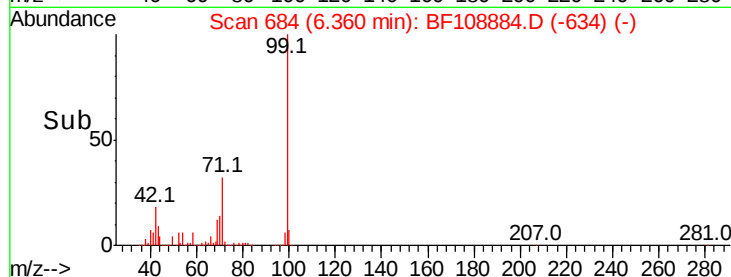
71 31.7 25.4 38.0



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: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

Tgt Ion: 136 Resp: 714488

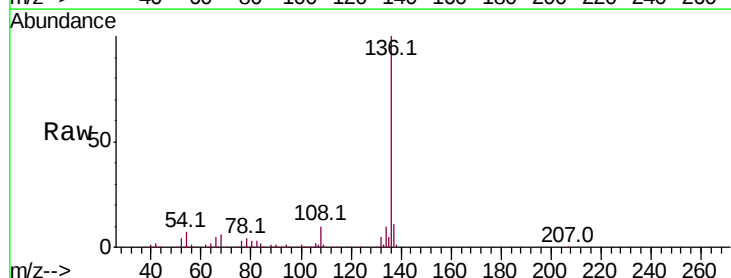
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.8 6.6 9.8

68 6.3 5.0 7.4

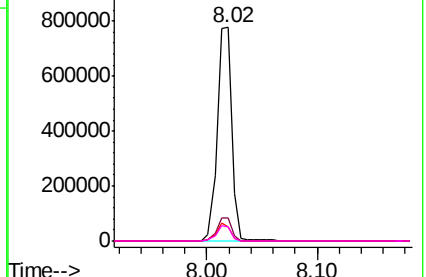
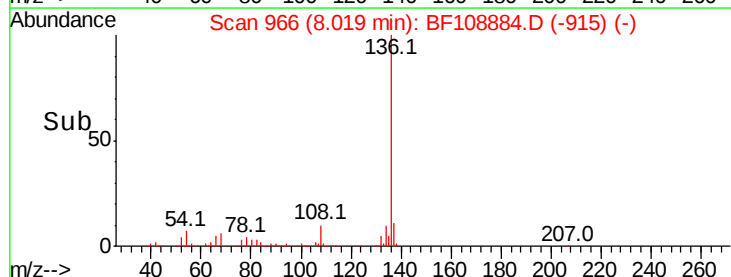


Abundance Ion 136.00 (135.70 to 136.70): E

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

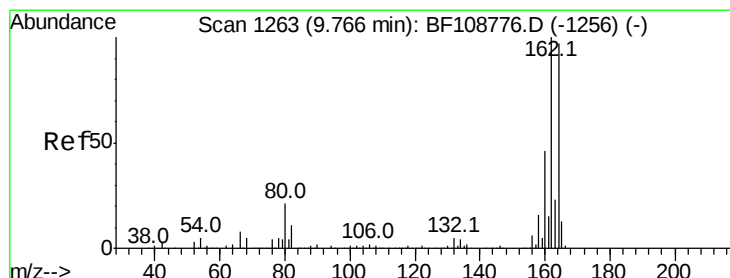
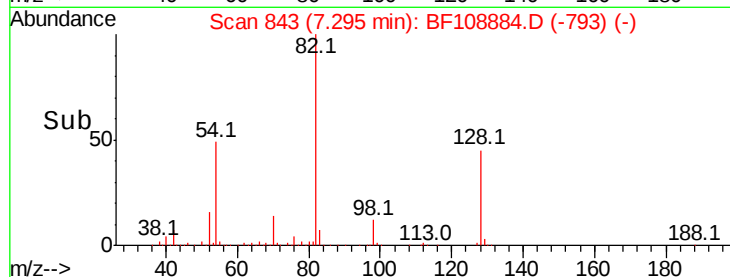
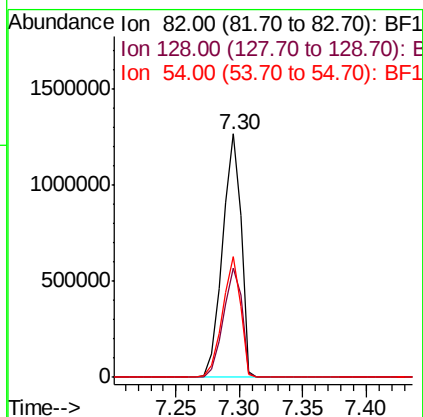
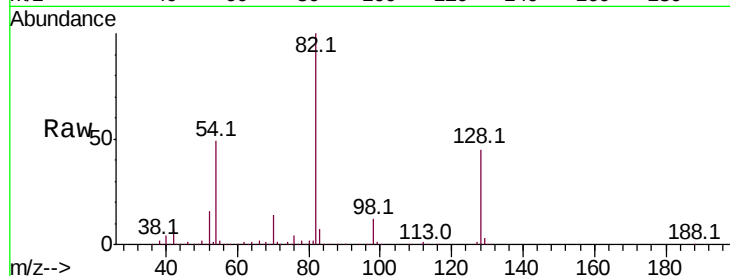




#23  
Nitrobenzene-d5  
Concen: 113.290 ng  
RT: 7.30 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BF108884.D  
Acq: 8 Sep 2018 2:18

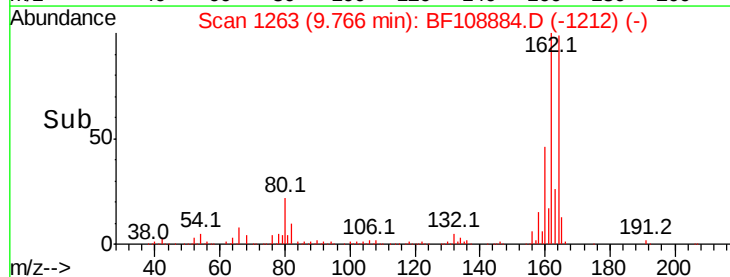
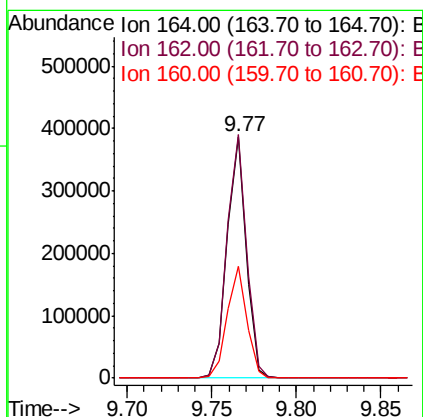
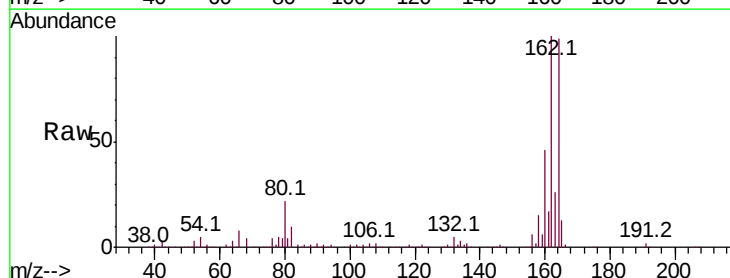
Instrument :  
BNA\_F  
ClientSampleId :  
090518-TIPC-E-D-M

Tot Ion: 82 Resp: 1293431  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.1 54.1  
54 49.4 41.4 62.2



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BF108884.D  
Acq: 8 Sep 2018 2:18

Tgt Ion:164 Resp: 304542  
Ion Ratio Lower Upper  
164 100  
162 101.0 86.1 129.1  
160 46.1 38.3 57.5

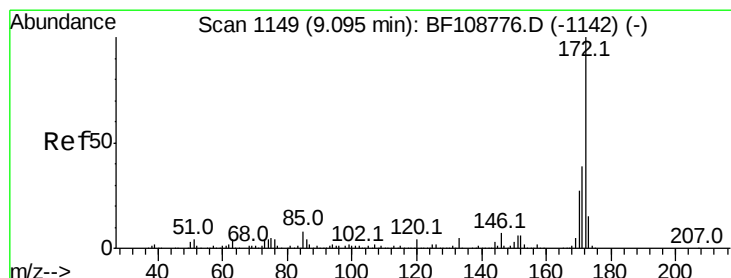
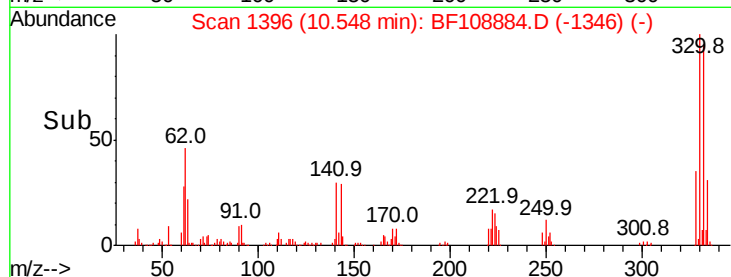
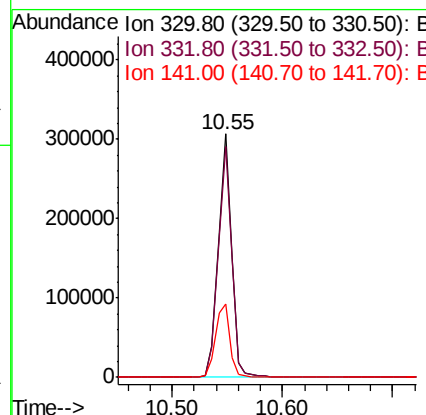
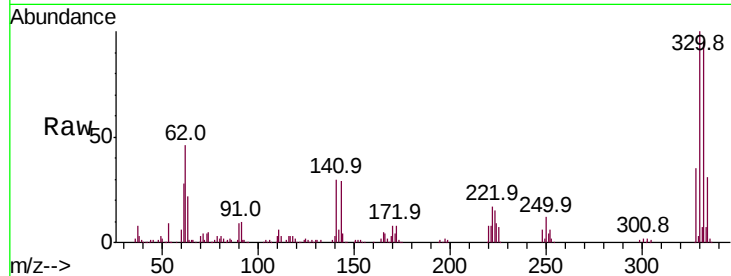




#41  
 2,4,6-Tribromophenol  
 Concen: 87.813 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF108884.D  
 Acq: 8 Sep 2018 2:18

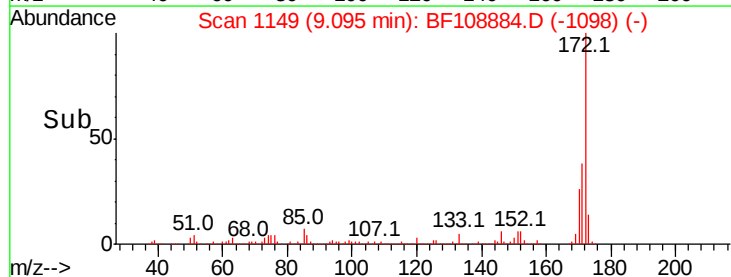
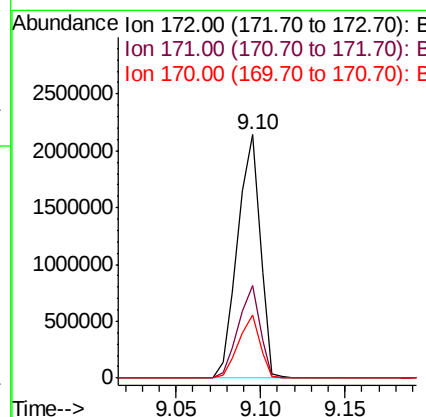
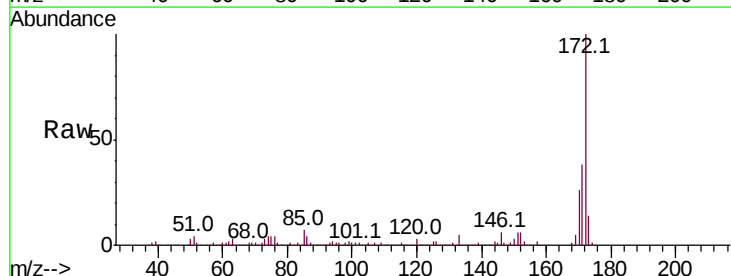
Instrument :  
 BNA\_F  
 ClientSampleId :  
 090518-TIPC-E-D-M

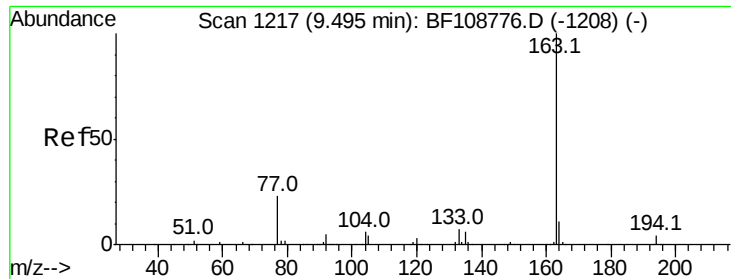
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.0  | 115.6 |
| 141     | 32.4  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 112.129 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108884.D  
 Acq: 8 Sep 2018 2:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 29.7  | 44.5  |
| 170     | 26.0  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 8.431 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

Instrument :

BNA\_F

ClientSampleId :

090518-TIPC-E-D-M

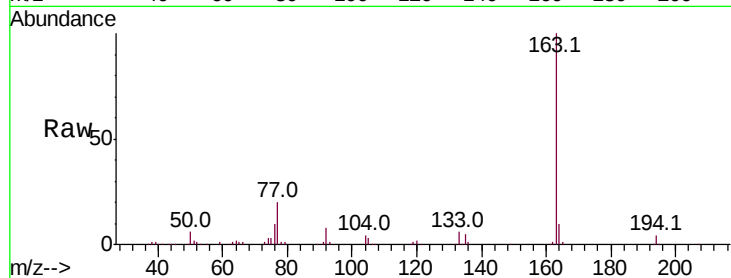
Tot Ion:163 Resp: 179588

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

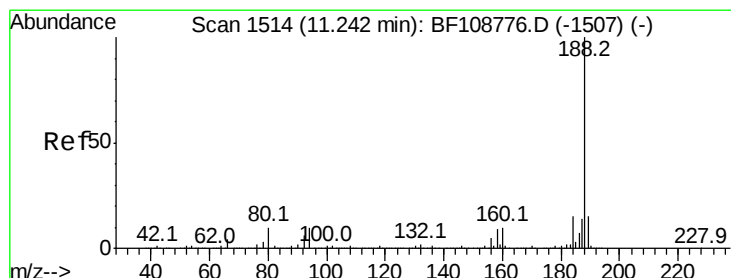
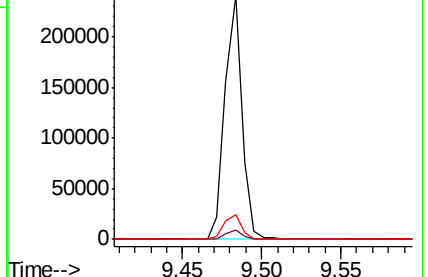
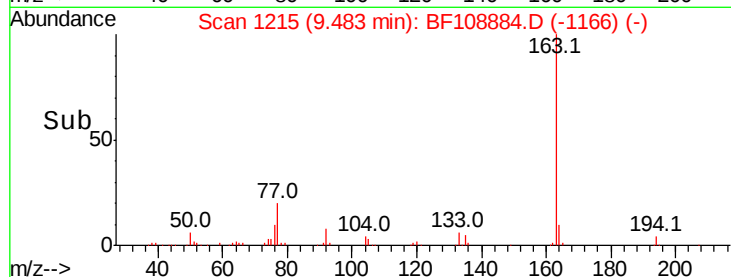
164 10.3 8.2 12.2



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: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

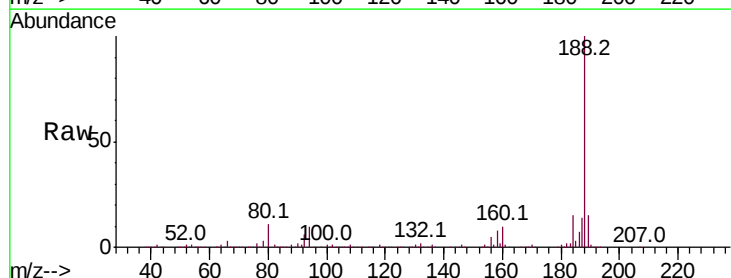
Tgt Ion:188 Resp: 482646

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

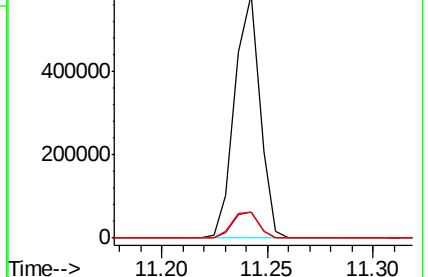
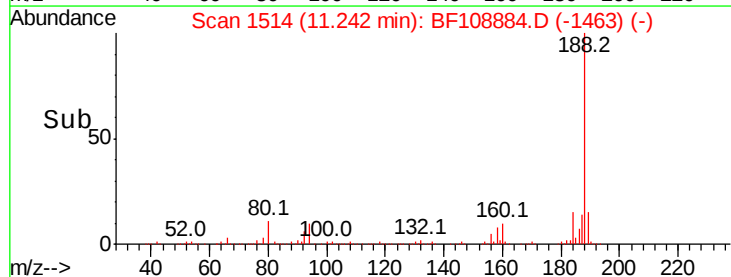
80 10.7 9.2 13.8

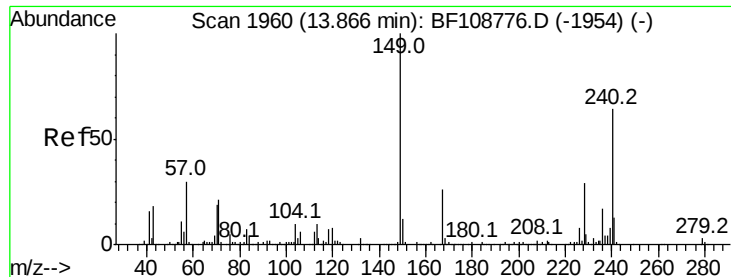


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

Instrument :

BNA\_F

ClientSampleId :

090518-TIPC-E-D-M

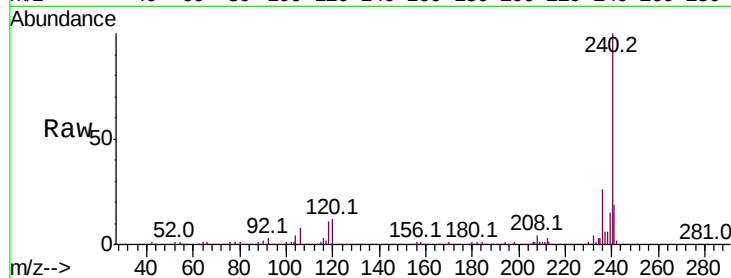
Tot Ion:240 Resp: 455304

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

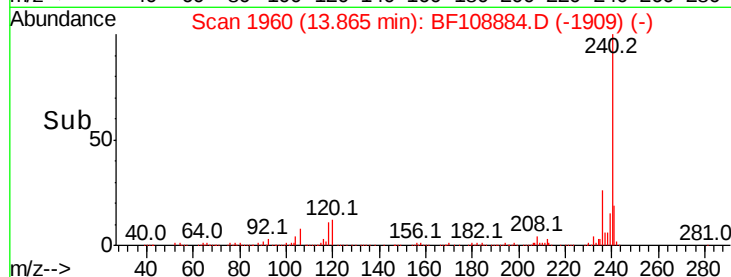
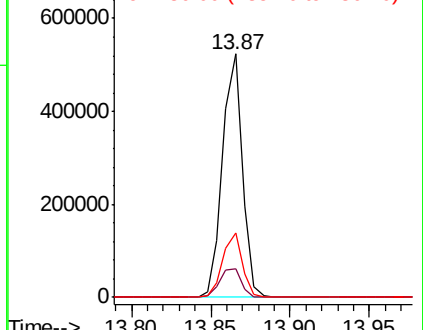
236 26.4 20.7 31.1



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: 80.675 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108884.D

Acq: 8 Sep 2018 2:18

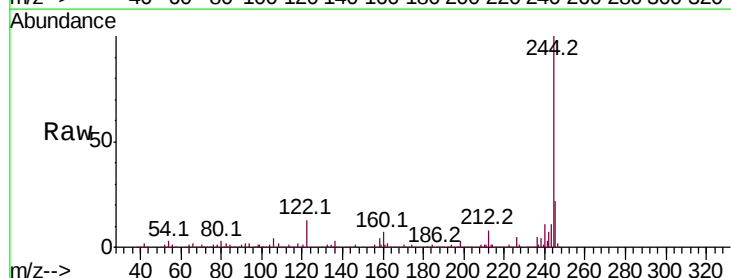
Tgt Ion:244 Resp: 1575181

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

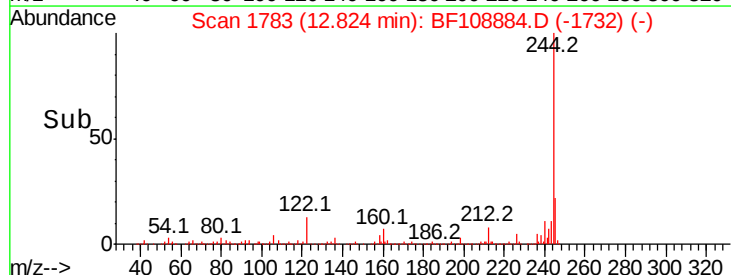
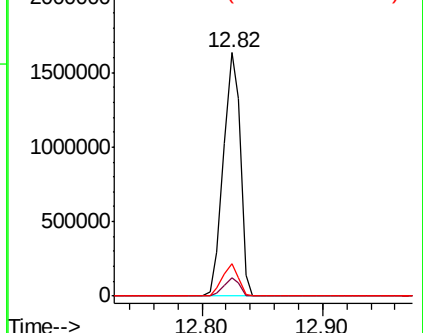
122 13.4 11.0 16.4

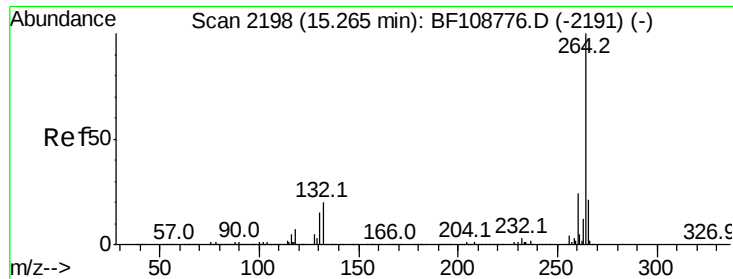


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 2199  
Delta R.T. 0.01 min  
Lab File: BF108884.D  
Acq: 8 Sep 2018 2:18

Instrument :  
BNA\_F  
ClientSampleId :  
090518-TIPC-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 19.2  | 28.8  |
| 265     | 21.3  | 17.5  | 26.3  |

