

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\  
 Data File : BF110550.D  
 Acq On : 7 Nov 2018 8:27  
 Operator : JU/SJ  
 Sample : J5808-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110118-DBRI-E-D-S

Quant Time: Nov 07 13:58:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 16:06:12 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 80058    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 291507   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.00 | 164  | 112700   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 192558   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.14 | 240  | 125582   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.67 | 264  | 91420    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 160222   | 32.59  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 125233   | 19.92  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 409061   | 83.23  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 71215    | 63.79  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 723622   | 100.82 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 597451   | 98.94  | ng    | 0.00     |

Target Compounds Qvalue

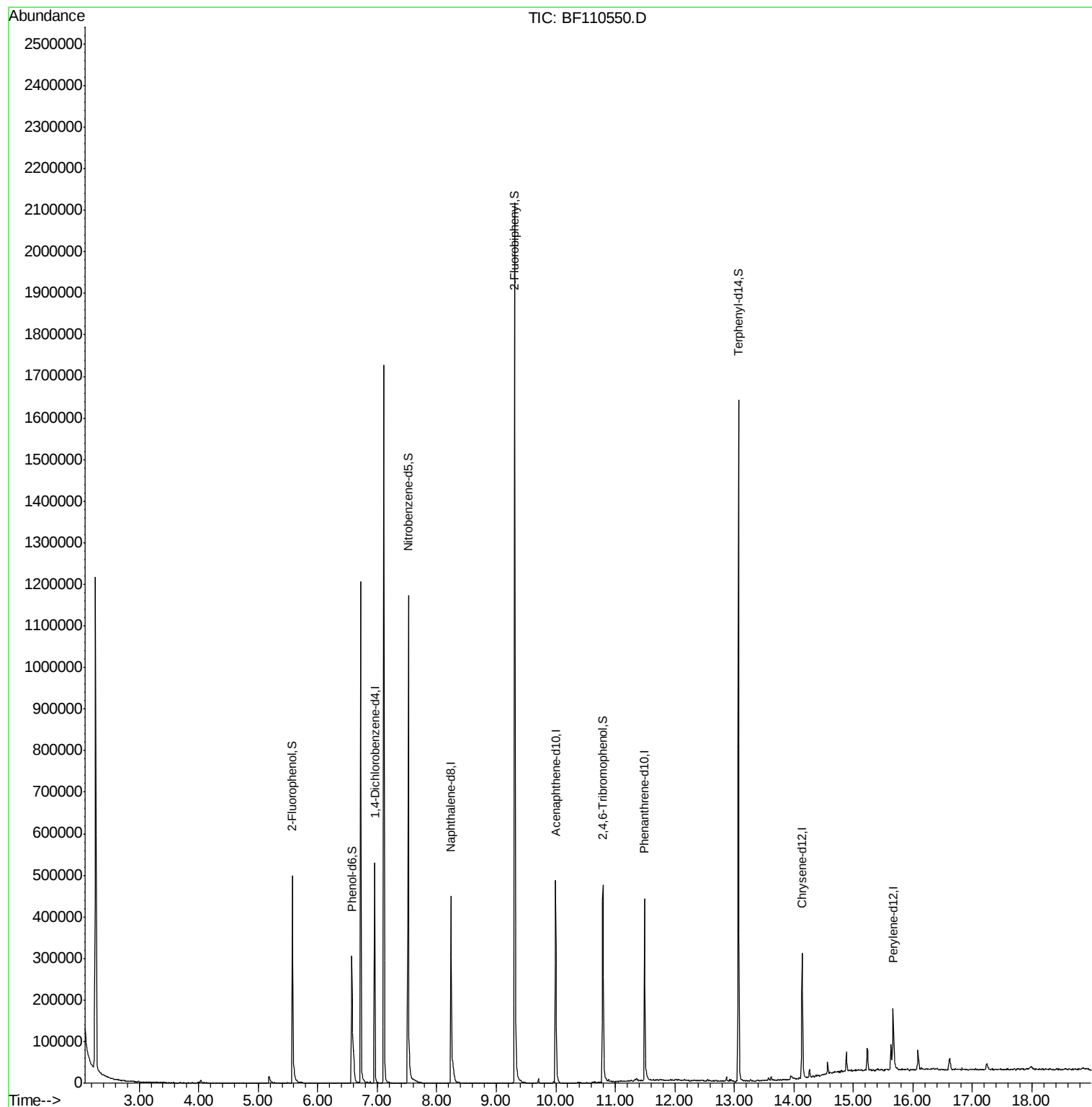
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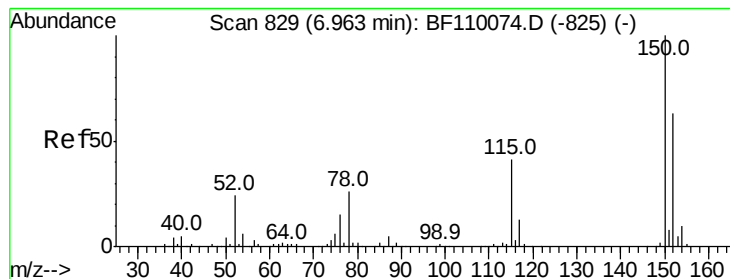
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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Quant Time: Nov 07 13:58:09 2018  
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QLast Update : Thu Nov 01 16:06:12 2018  
Response via : Initial Calibration



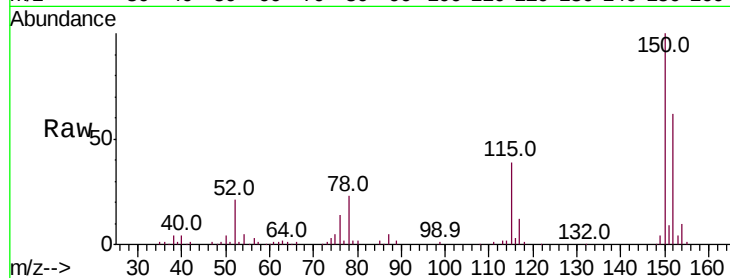


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BF110550.D  
 Acq: 7 Nov 2018 8:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110118-DBRI-E-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 122.7 | 184.1 |
| 115     | 62.4  | 49.1  | 73.7  |

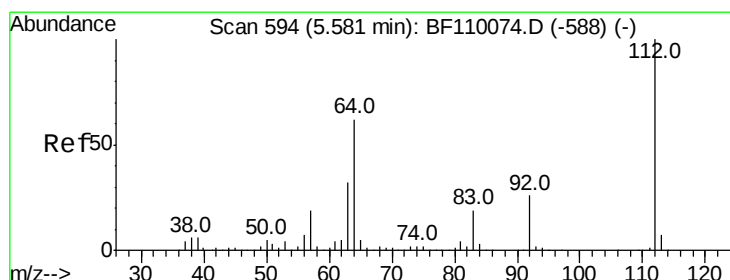
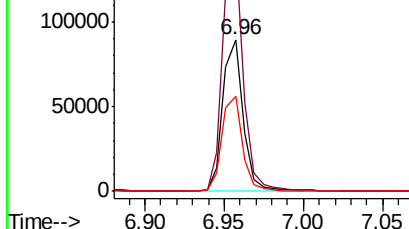
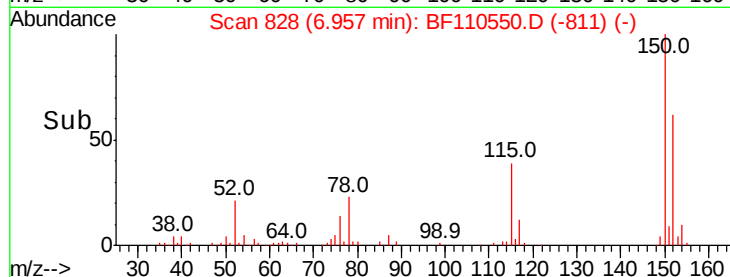


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

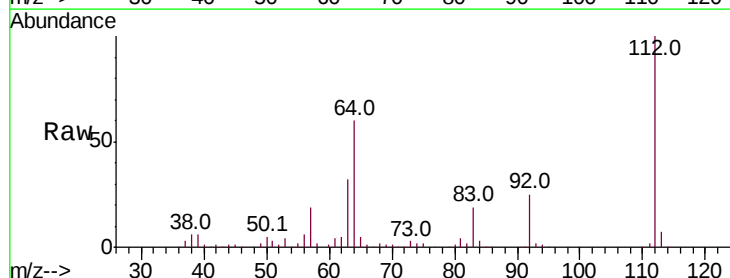
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 32.591 ng  
 RT: 5.57 min Scan# 593  
 Delta R.T. 0.00 min  
 Lab File: BF110550.D  
 Acq: 7 Nov 2018 8:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.0  | 44.1  | 66.1  |
| 63      | 31.6  | 23.7  | 35.5  |

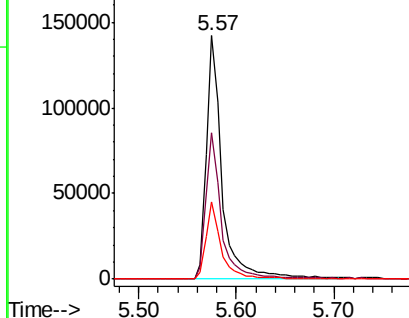
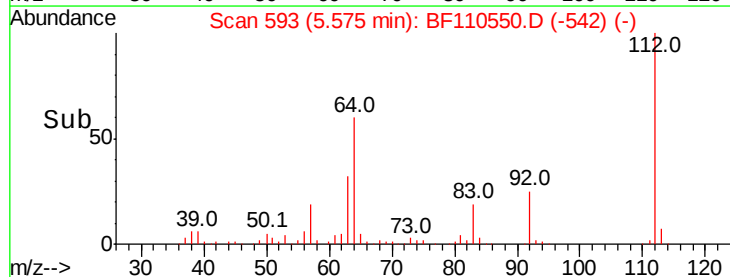


Abundance

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: 19.916 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

Instrument :

BNA\_F

ClientSampleId :

110118-DBRI-E-D-S

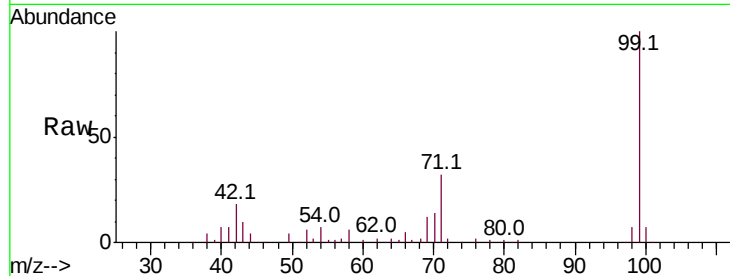
Tot Ion: 99 Resp: 125233

Ion Ratio Lower Upper

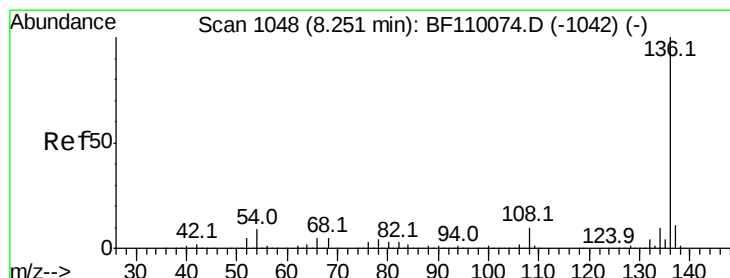
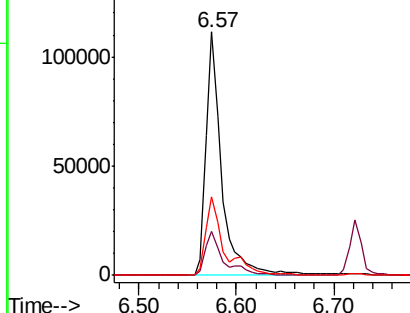
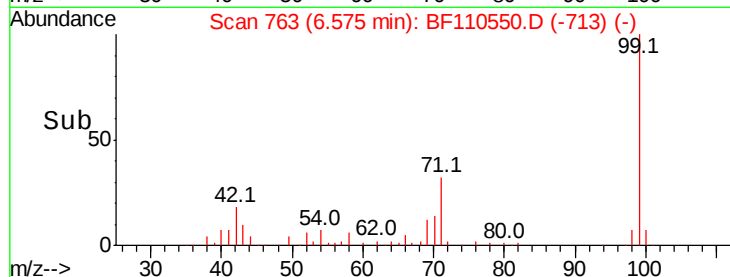
99 100

42 18.2 15.8 23.6

71 32.0 28.0 42.0



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: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

Tgt Ion: 136 Resp: 291507

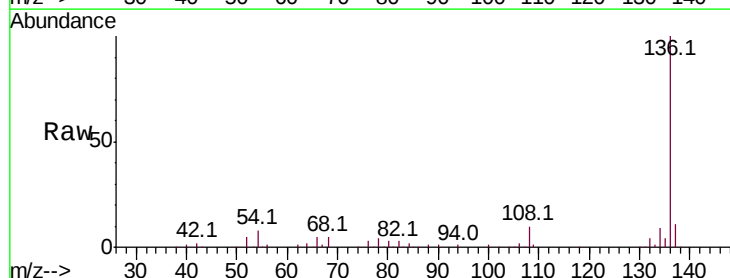
Ion Ratio Lower Upper

136 100

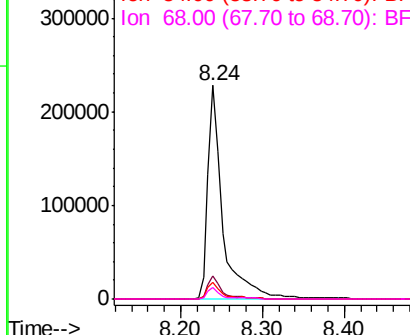
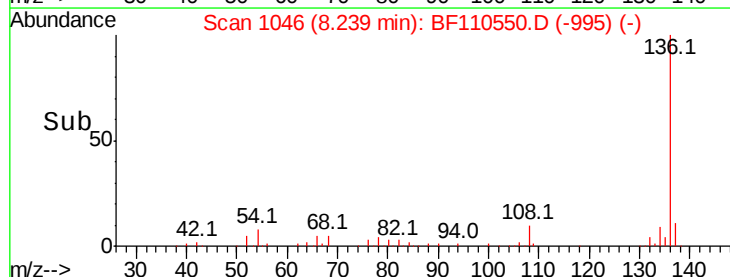
137 10.6 8.8 13.2

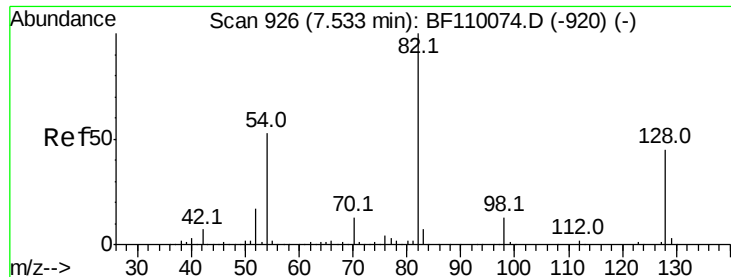
54 8.0 5.4 8.2

68 5.4 4.2 6.2



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

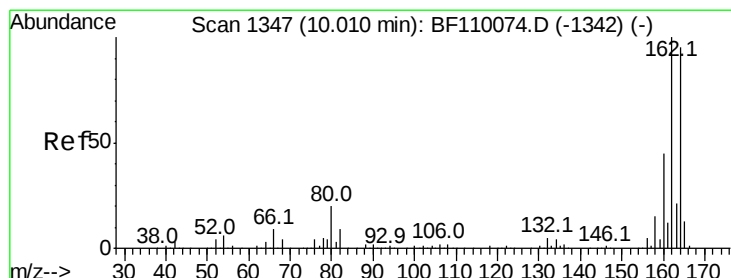
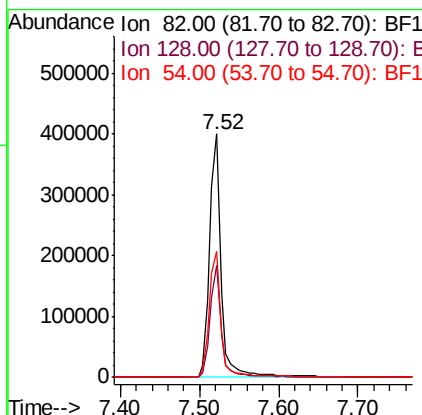
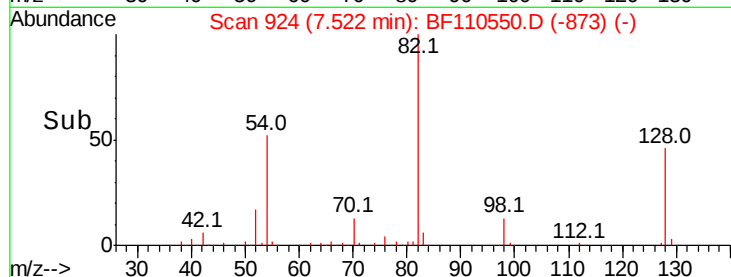
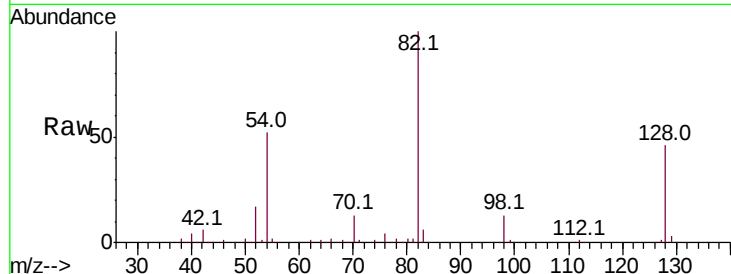




#23  
Nitrobenzene-d5  
Concen: 83.232 ng  
RT: 7.52 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF110550.D  
Acq: 7 Nov 2018 8:27

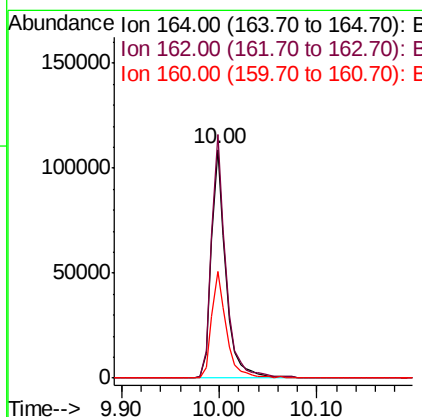
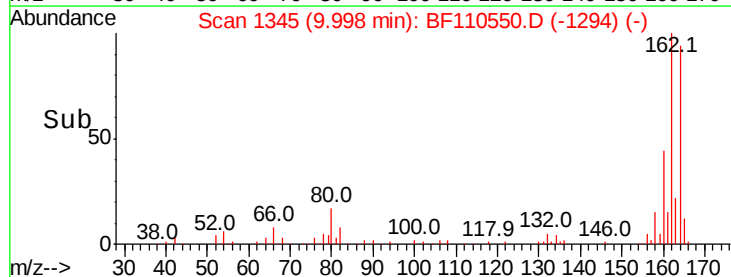
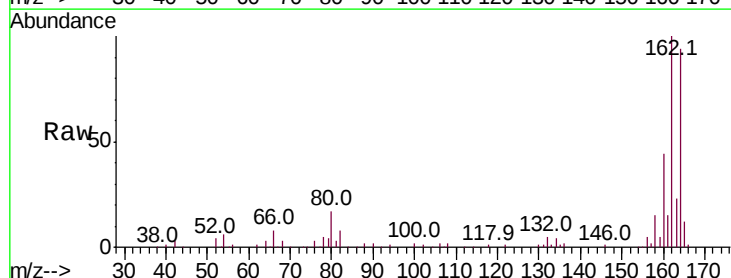
Instrument :  
BNA\_F  
ClientSampleId :  
110118-DBRI-E-D-S

Tot Ion: 82 Resp: 409061  
Ion Ratio Lower Upper  
82 100  
128 45.9 34.2 51.2  
54 51.8 38.6 58.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.00 min  
Lab File: BF110550.D  
Acq: 7 Nov 2018 8:27

Tgt Ion:164 Resp: 112700  
Ion Ratio Lower Upper  
164 100  
162 106.4 83.0 124.6  
160 46.7 37.0 55.6

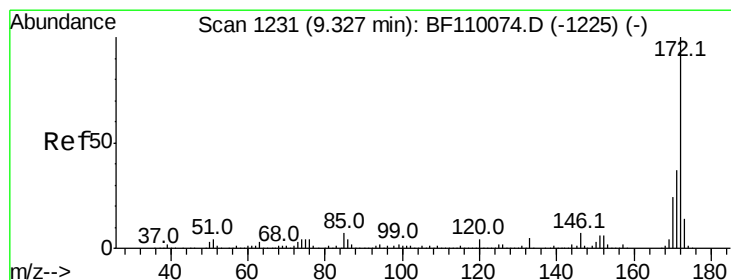
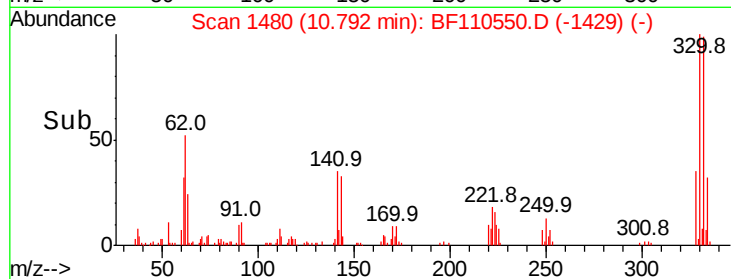
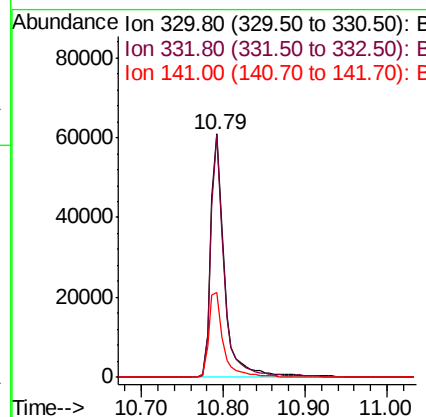
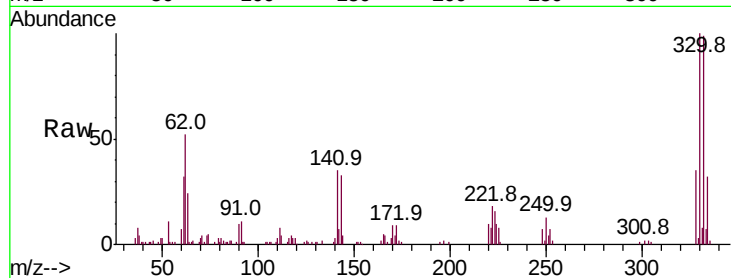




#42  
 2,4,6-Tribromophenol  
 Concen: 63.792 ng  
 RT: 10.79 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: BF110550.D  
 Acq: 7 Nov 2018 8:27

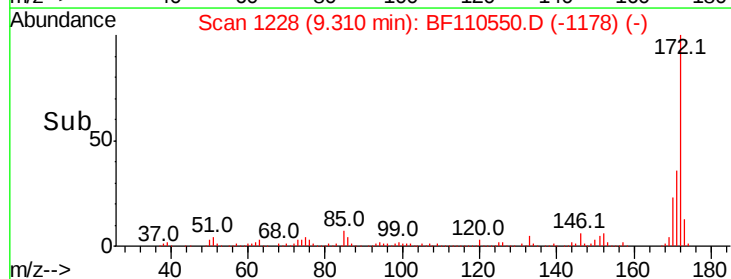
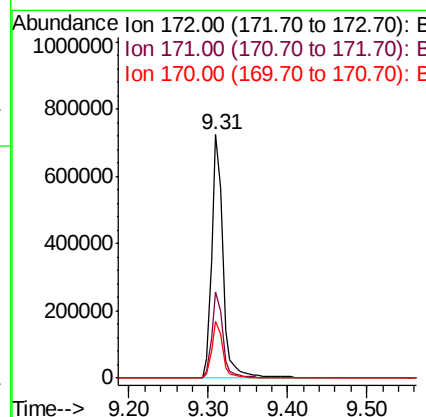
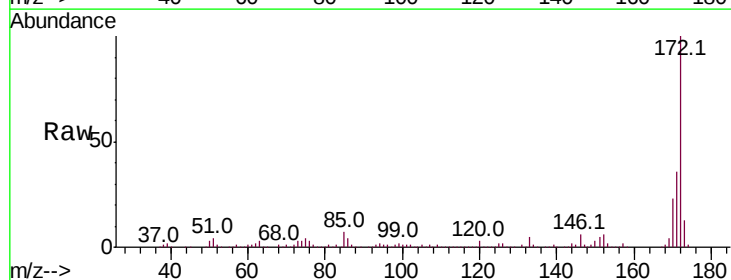
Instrument :  
 BNA\_F  
 ClientSampleId :  
 110118-DBRI-E-D-S

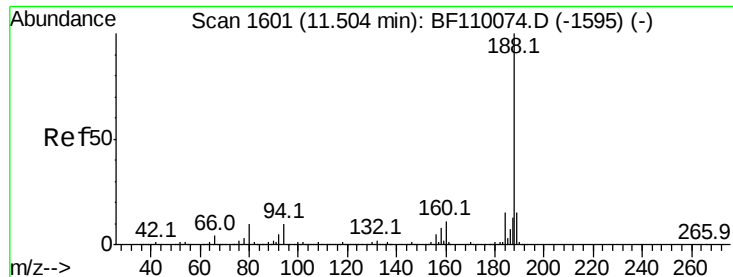
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 77.1  | 115.7 |
| 141     | 36.9  | 27.0  | 40.4  |



#45  
 2-Fluorobiphenyl  
 Concen: 100.823 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110550.D  
 Acq: 7 Nov 2018 8:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.6  | 43.0  |
| 170     | 23.3  | 19.7  | 29.5  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

Instrument :

BNA\_F

ClientSampleId :

110118-DBRI-E-D-S

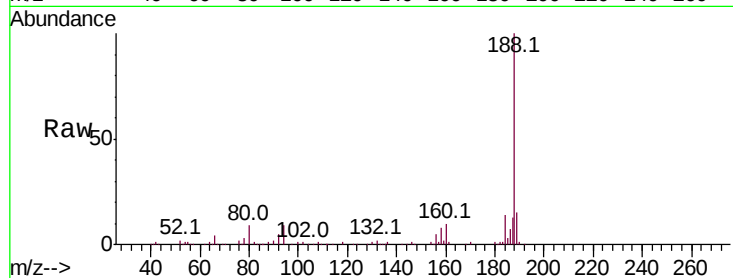
Tot Ion:188 Resp: 192558

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

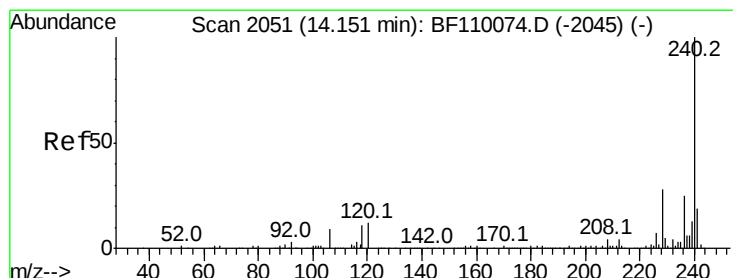
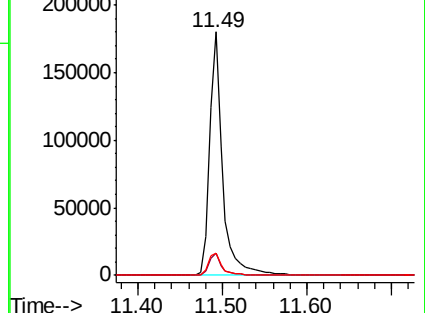
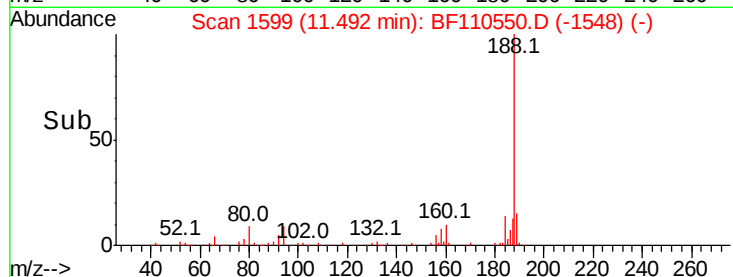
80 9.2 7.9 11.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

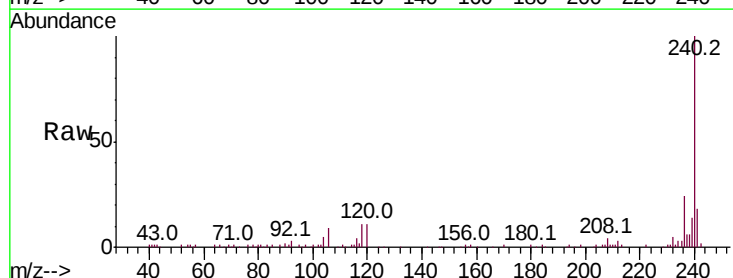
Tgt Ion:240 Resp: 125582

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

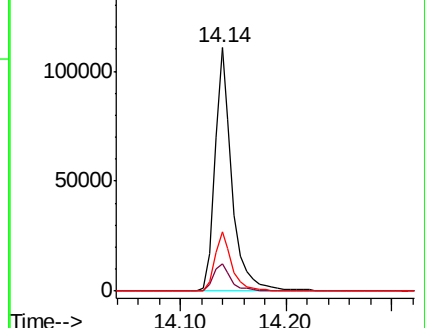
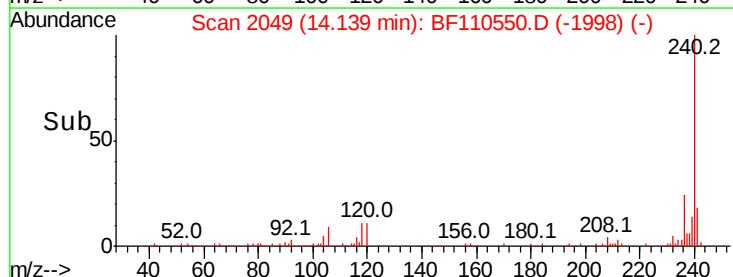
236 24.3 21.2 31.8



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





#79

Terphenyl-d14

Concen: 98.941 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

Instrument :

BNA\_F

ClientSampleId :

110118-DBRI-E-D-S

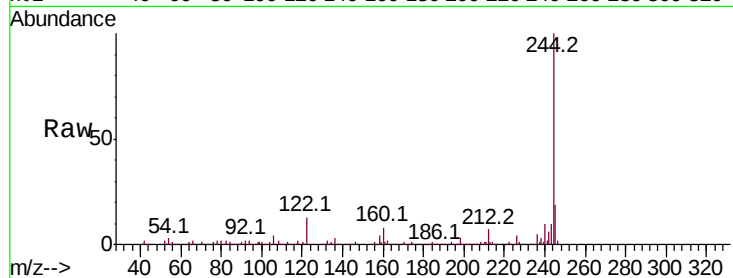
Tot Ion:244 Resp: 597451

Ion Ratio Lower Upper

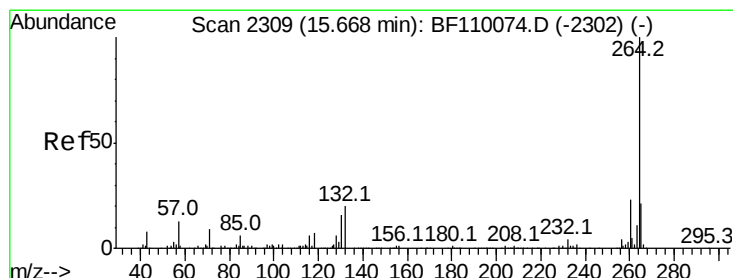
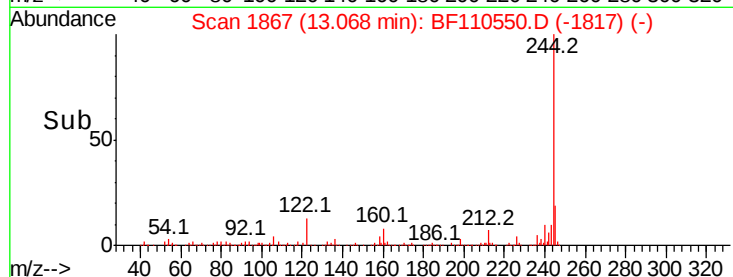
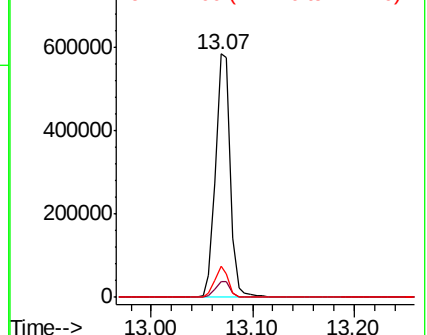
244 100

212 6.7 5.8 8.8

122 12.6 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110550.D

Acq: 7 Nov 2018 8:27

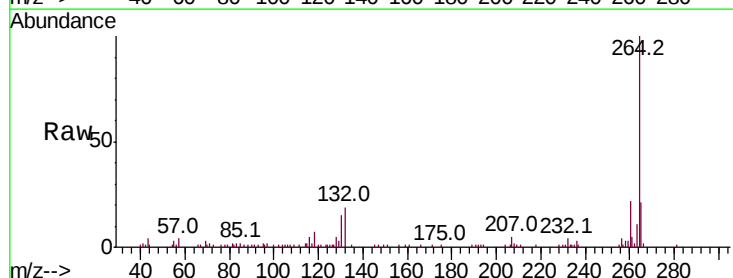
Tgt Ion:264 Resp: 91420

Ion Ratio Lower Upper

264 100

260 22.4 18.7 28.1

265 21.2 16.7 25.1



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

