

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\  
 Data File : BF110492.D  
 Acq On : 6 Nov 2018 4:28  
 Operator : JU/SJ  
 Sample : J5810-04  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110218-SIDI-E-D-B

Quant Time: Nov 06 05:33:35 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   | 6.95  | 152  | 99799    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 389146   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.00 | 164  | 164310   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 247502   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 170405   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 132456   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 264743   | 43.20  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 222307   | 28.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 694220   | 105.81 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 133572   | 82.07  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 1209396  | 115.58 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 810249   | 98.89  | ng    | 0.00     |

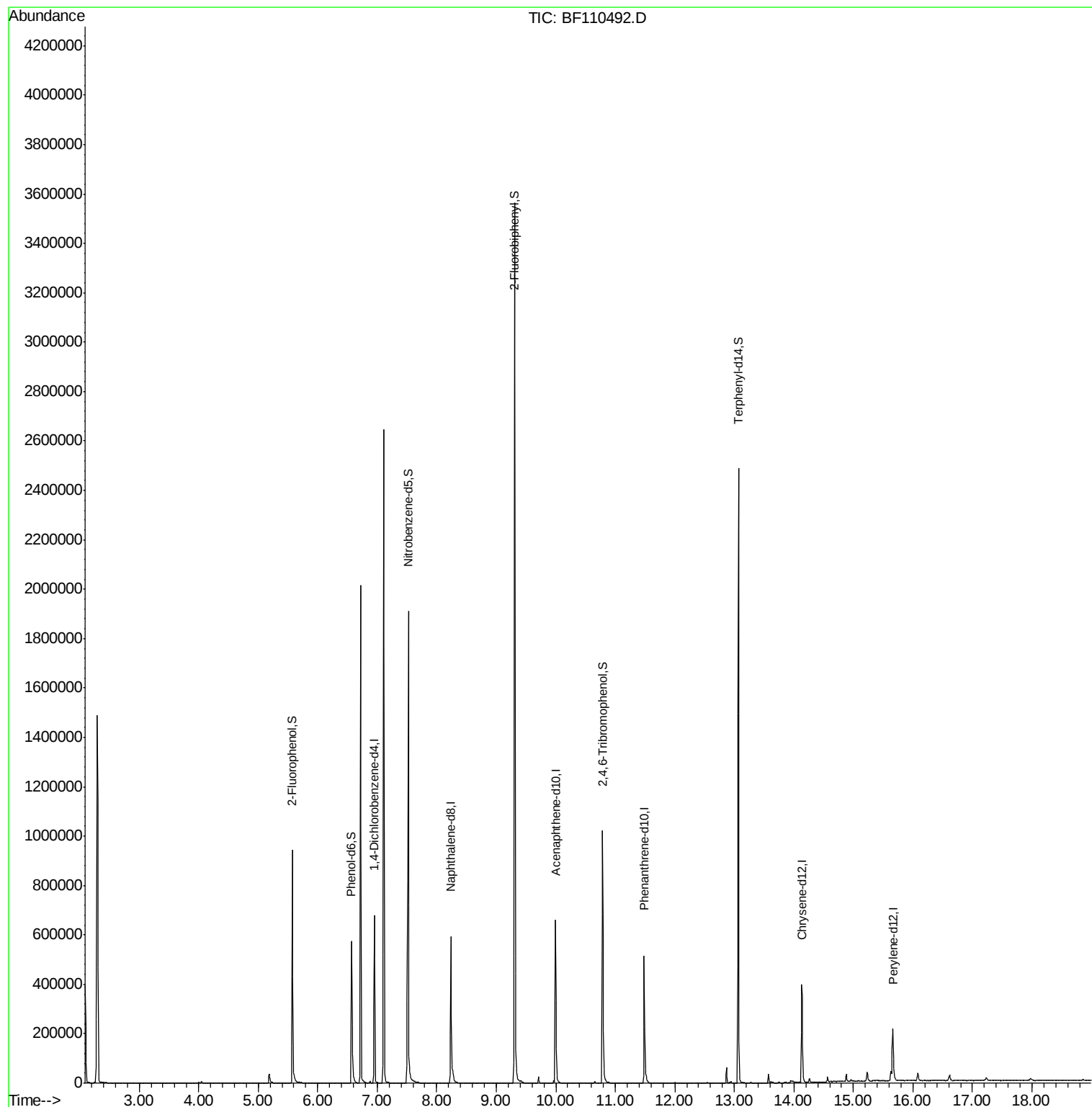
Target Compounds Qvalue

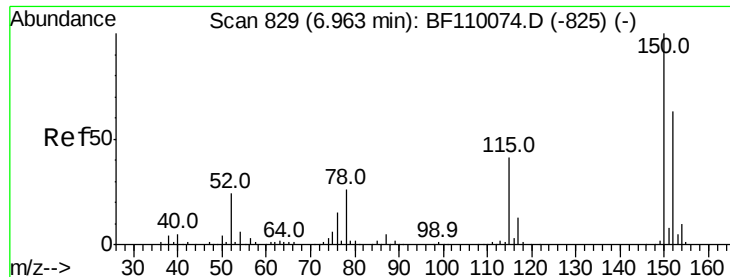
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_F  
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110218-SIDI-E-D-B

Quant Time: Nov 06 05:33:35 2018  
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Response via : Initial Calibration



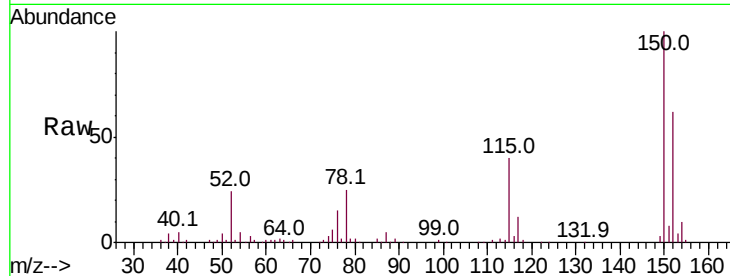


#1

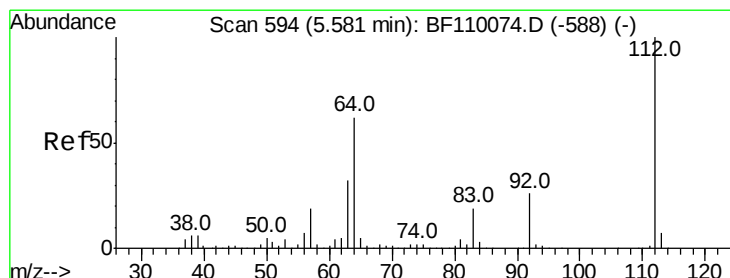
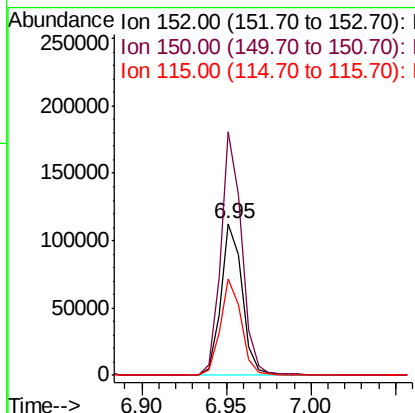
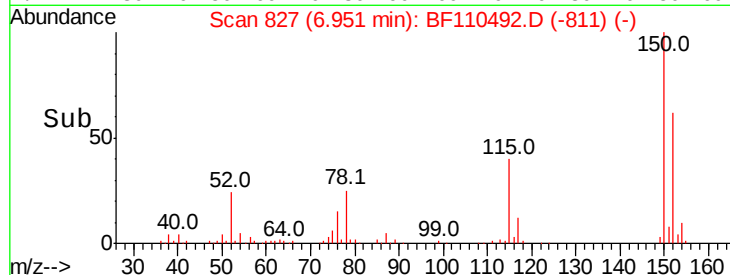
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 827  
 Delta R.T. -0.01 min  
 Lab File: BF110492.D  
 Acq: 6 Nov 2018 4:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110218-SIDI-E-D-B

Tot Ion:152 Resp: 99799  
 Ion Ratio Lower Upper  
 152 100  
 150 160.6 122.7 184.1  
 115 63.6 49.1 73.7



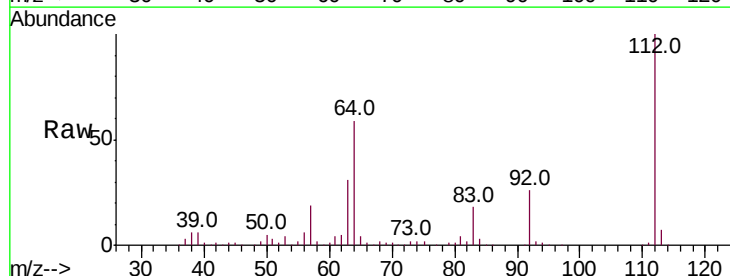
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



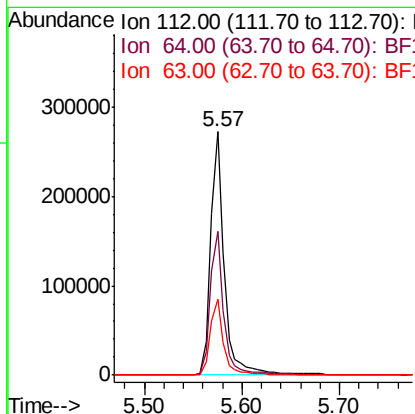
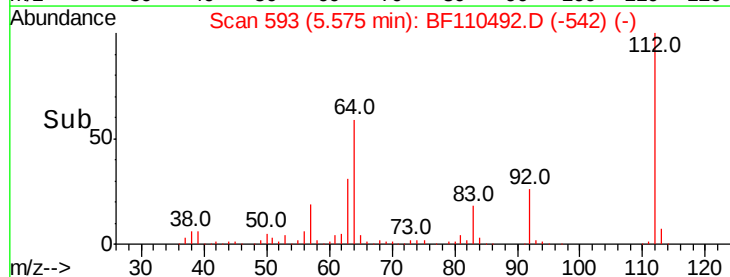
#5

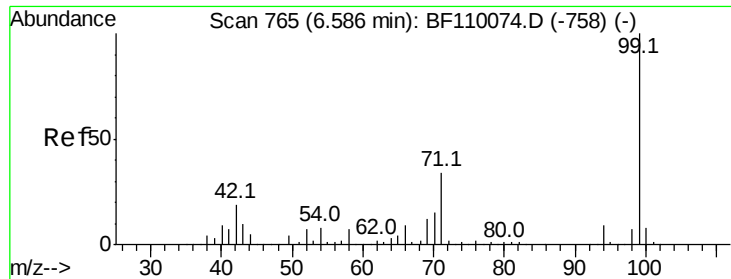
2-Fluorophenol  
 Concen: 43.199 ng  
 RT: 5.57 min Scan# 593  
 Delta R.T. 0.00 min  
 Lab File: BF110492.D  
 Acq: 6 Nov 2018 4:28

Tgt Ion:112 Resp: 264743  
 Ion Ratio Lower Upper  
 112 100  
 64 59.0 44.1 66.1  
 63 31.2 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: 28.360 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110492.D

Acq: 6 Nov 2018 4:28

Instrument :

BNA\_F

ClientSampleId :

110218-SIDI-E-D-B

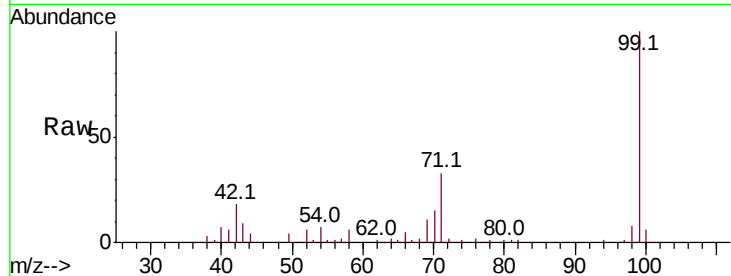
Tot Ion: 99 Resp: 222307

Ion Ratio Lower Upper

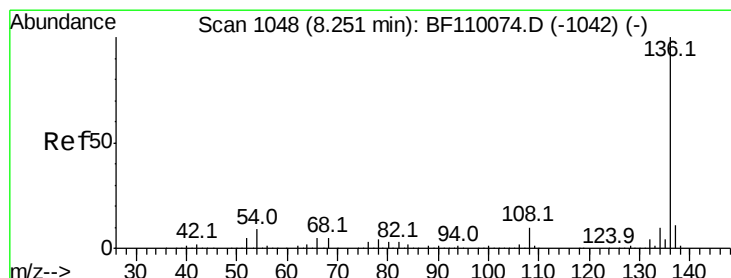
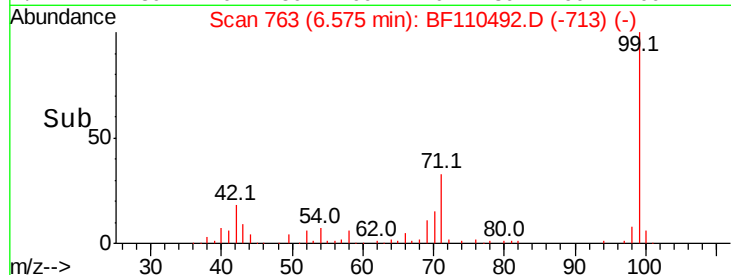
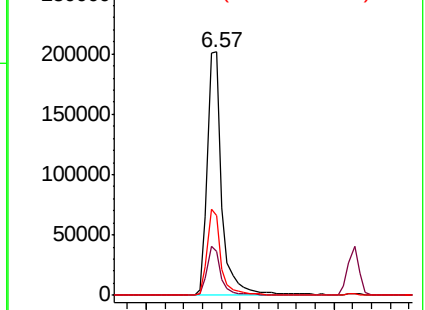
99 100

42 17.8 15.8 23.6

71 33.0 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: BF110492.D

Acq: 6 Nov 2018 4:28

Tgt Ion: 136 Resp: 389146

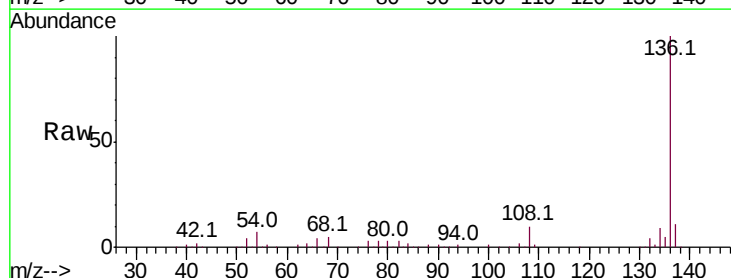
Ion Ratio Lower Upper

136 100

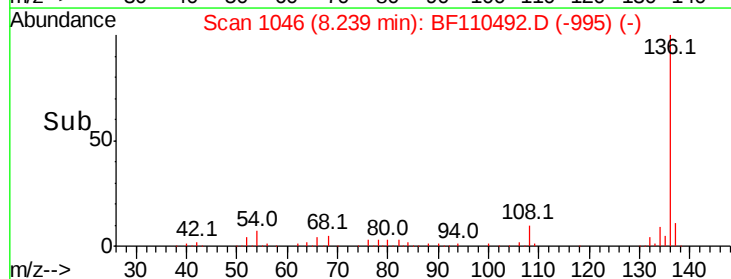
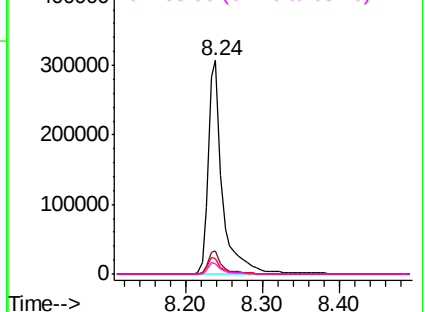
137 10.5 8.8 13.2

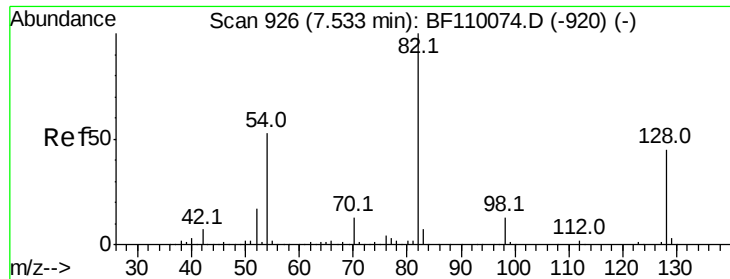
54 7.4 5.4 8.2

68 4.5 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

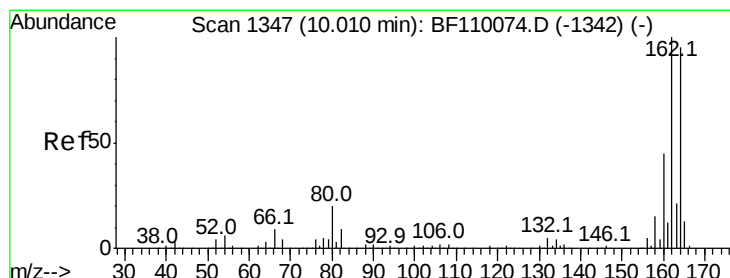
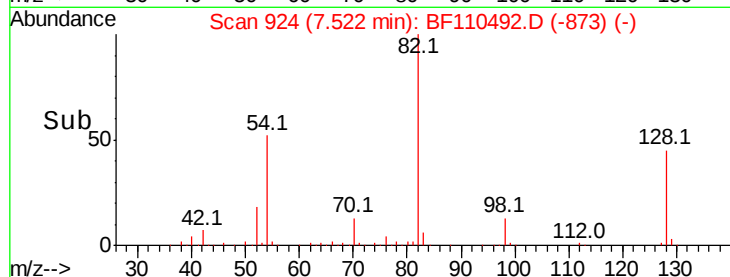
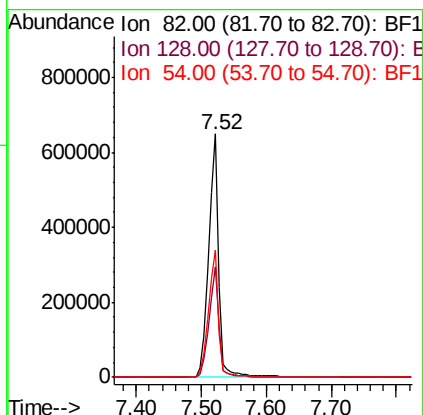
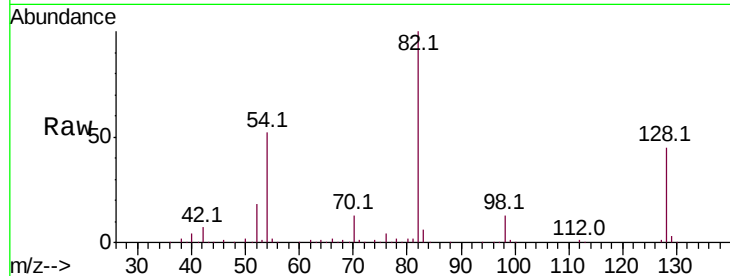




#23  
Nitrobenzene-d5  
Concen: 105.812 ng  
RT: 7.52 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BF110492.D  
Acq: 6 Nov 2018 4:28

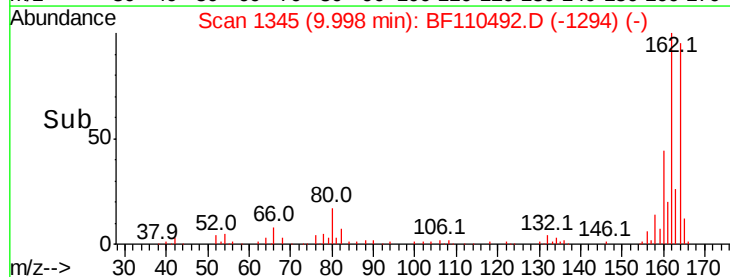
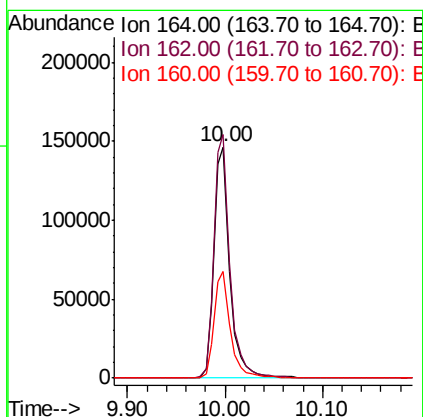
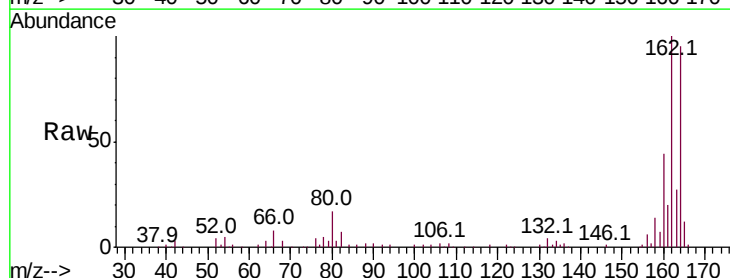
Instrument :  
BNA\_F  
ClientSampleId :  
110218-SIDI-E-D-B

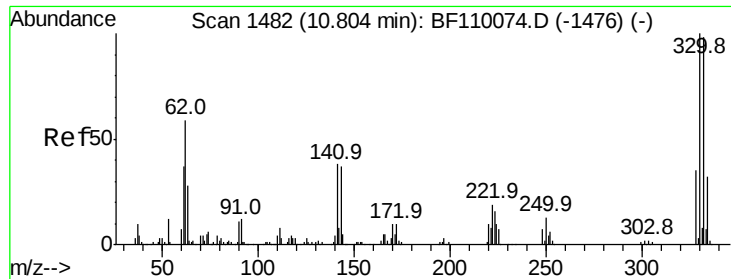
| Tot Ion   | 82    | Resp  | 694220 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.2  | 34.2  | 51.2   |
| 54        | 52.3  | 38.6  | 58.0   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.00 min  
Lab File: BF110492.D  
Acq: 6 Nov 2018 4:28

| Tgt Ion   | 164   | Resp  | 164310 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.4 | 83.0  | 124.6  |
| 160       | 46.2  | 37.0  | 55.6   |

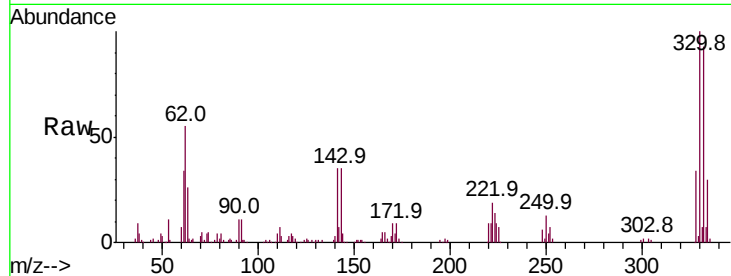




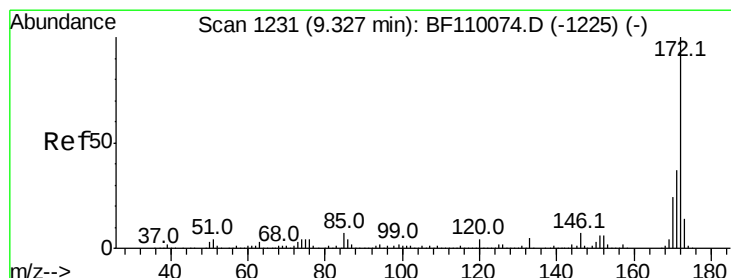
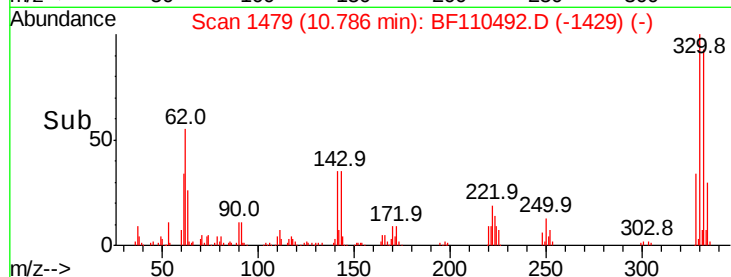
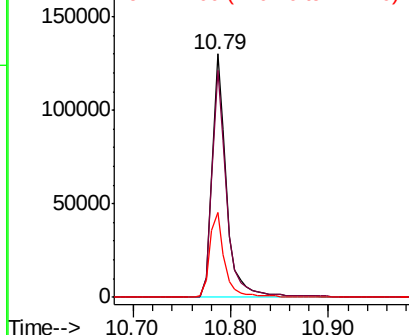
#42  
 2,4,6-Tribromophenol  
 Concen: 82.067 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: BF110492.D  
 Acq: 6 Nov 2018 4:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 110218-SIDI-E-D-B

Tot Ion:330 Resp: 133572  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 77.1 115.7  
 141 36.4 27.0 40.4

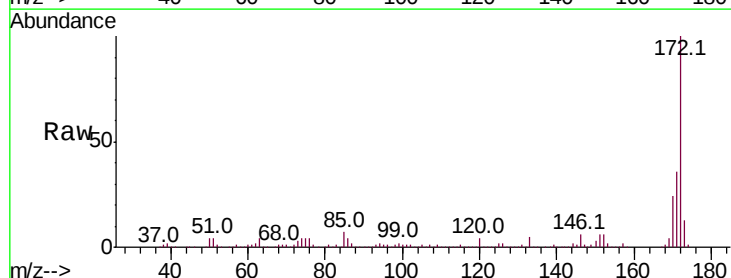


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

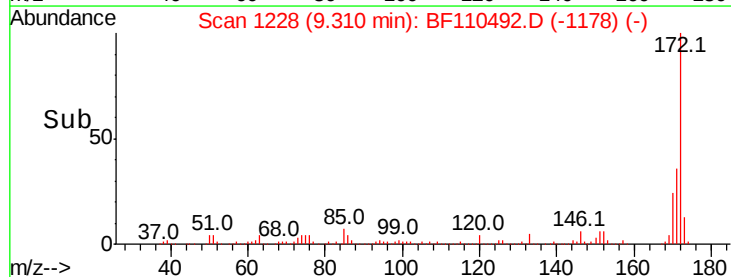
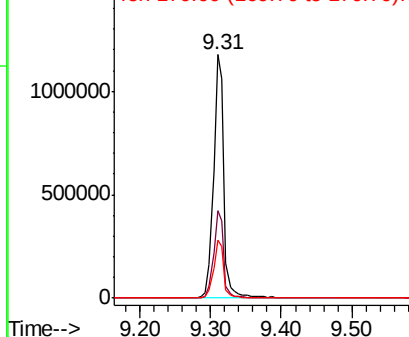


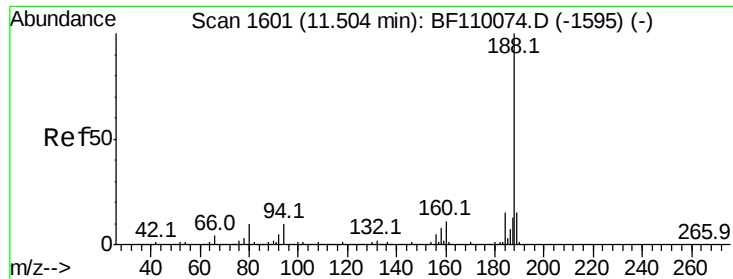
#45  
 2-Fluorobiphenyl  
 Concen: 115.578 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110492.D  
 Acq: 6 Nov 2018 4:28

Tgt Ion:172 Resp: 1209396  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.6 43.0  
 170 23.6 19.7 29.5



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110492.D

Acq: 6 Nov 2018 4:28

Instrument :

BNA\_F

ClientSampleId :

110218-SIDI-E-D-B

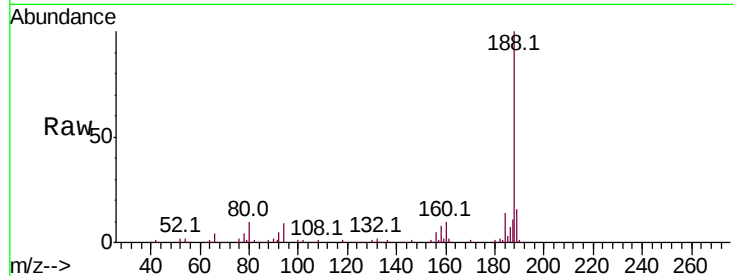
Tot Ion:188 Resp: 247502

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

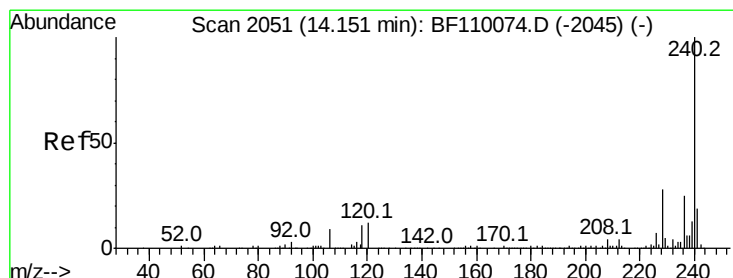
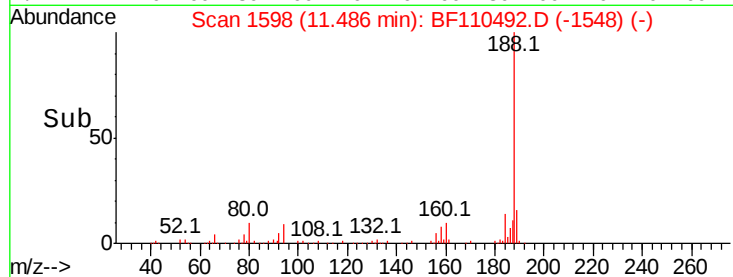
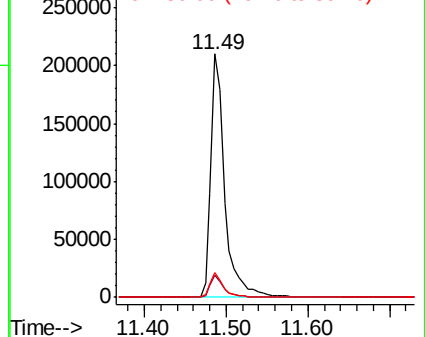
80 10.3 7.9 11.9



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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110492.D

Acq: 6 Nov 2018 4:28

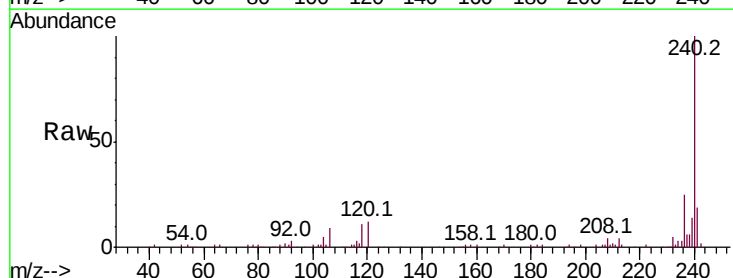
Tgt Ion:240 Resp: 170405

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

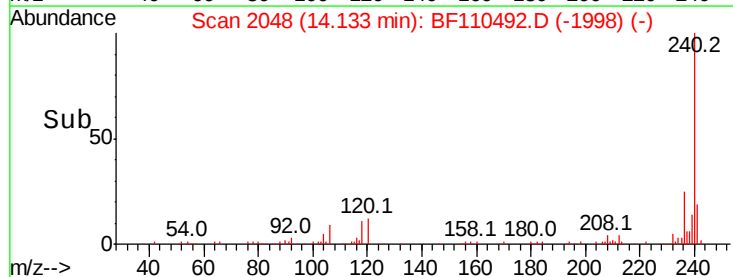
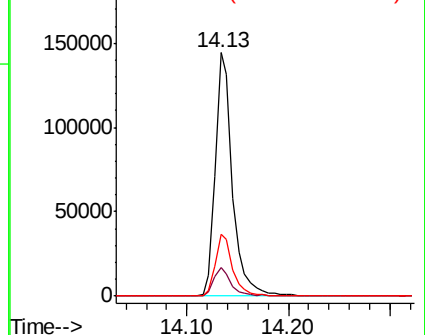
236 25.3 21.2 31.8

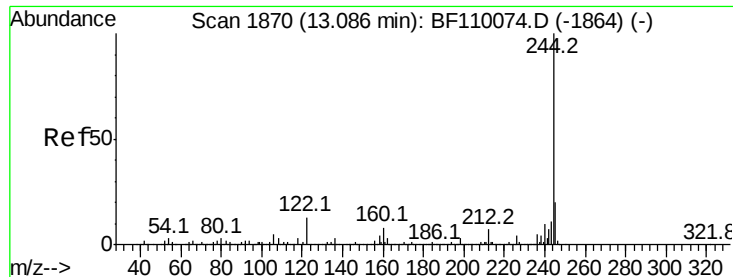


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 98.887 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110492.D

Acq: 6 Nov 2018 4:28

Instrument :

BNA\_F

ClientSampleId :

110218-SIDI-E-D-B

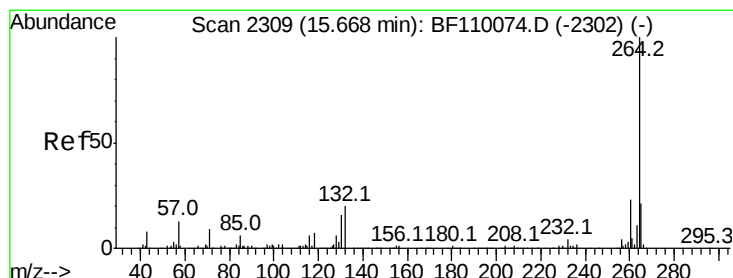
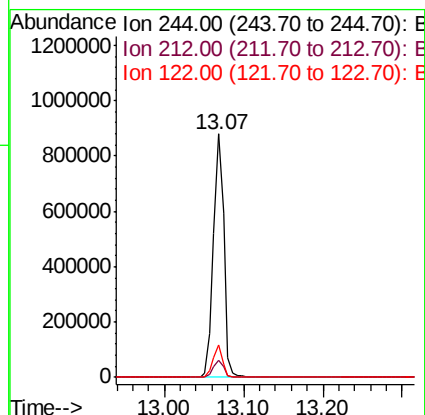
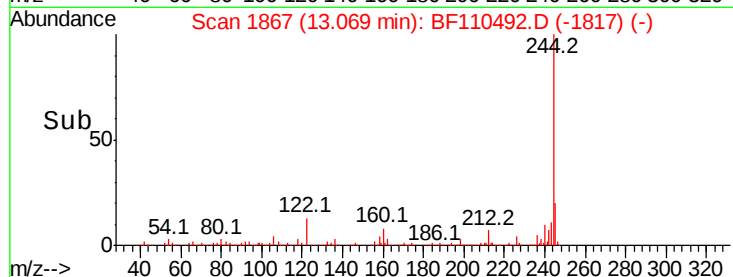
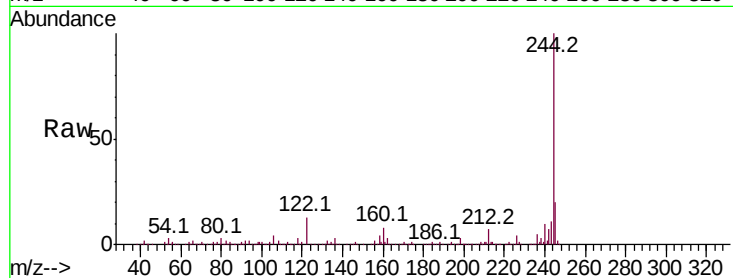
Tot Ion:244 Resp: 810249

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 13.3 8.7 13.1#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110492.D

Acq: 6 Nov 2018 4:28

Tgt Ion:264 Resp: 132456

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.3 16.7 25.1

