

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\  
 Data File : BF110395.D  
 Acq On : 2 Nov 2018 6:50  
 Operator : JU/SJ  
 Sample : J5741-54  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-13

Quant Time: Nov 02 09:00:28 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  | 81668    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 320963   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.00 | 164  | 138582   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 229842   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 171403   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 141838   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 510812   | 101.86 | ng    | 0.02     |
| 7) Phenol-d6                | 6.58  | 99   | 556166   | 86.70  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 449788   | 83.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 156104   | 113.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 814431   | 92.28  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 682917   | 82.86  | ng    | 0.00     |

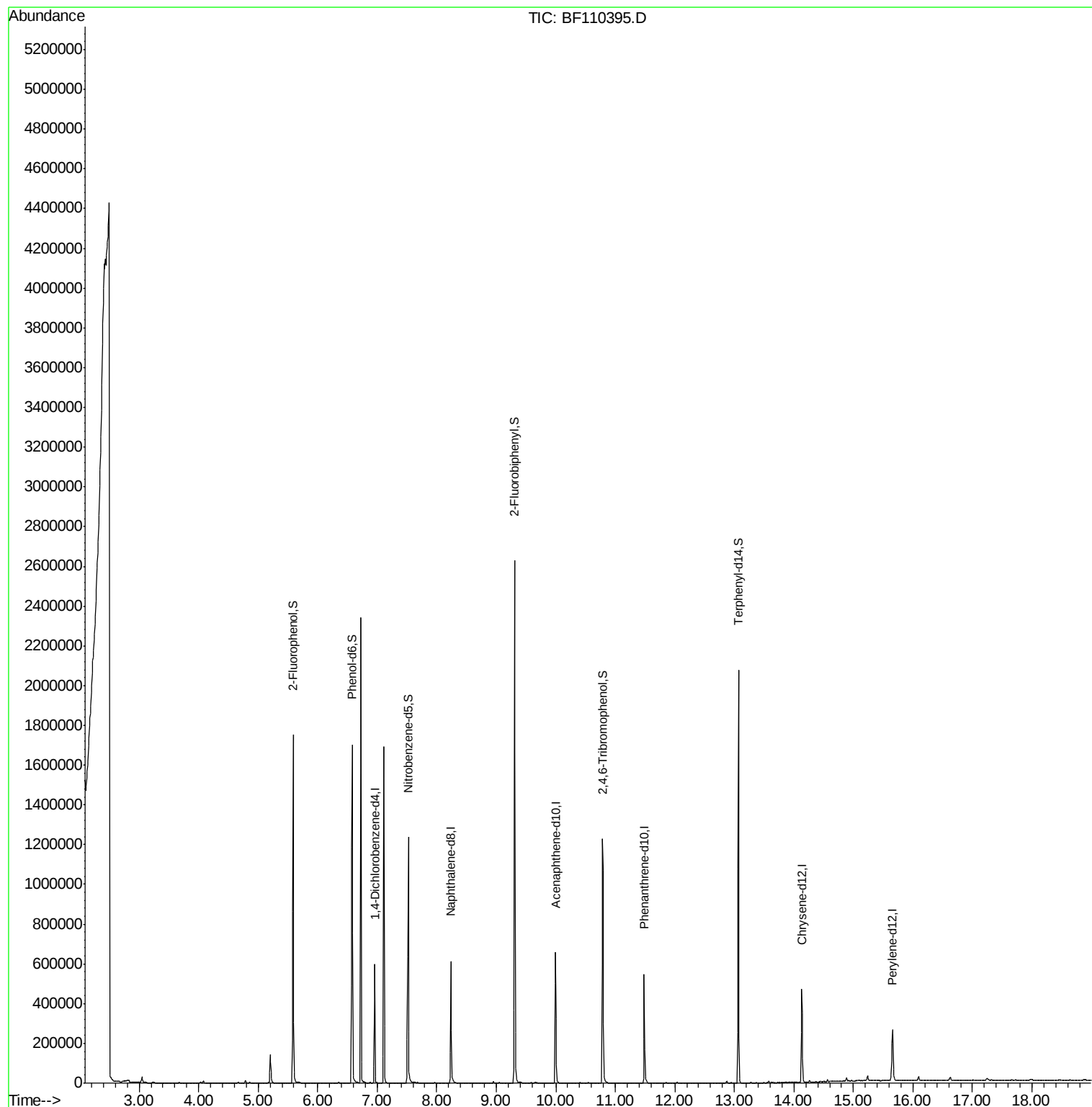
Target Compounds Qvalue

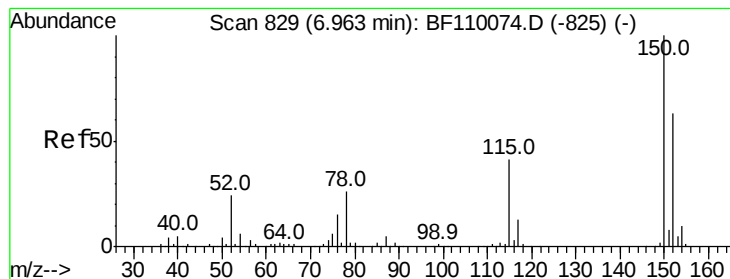
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
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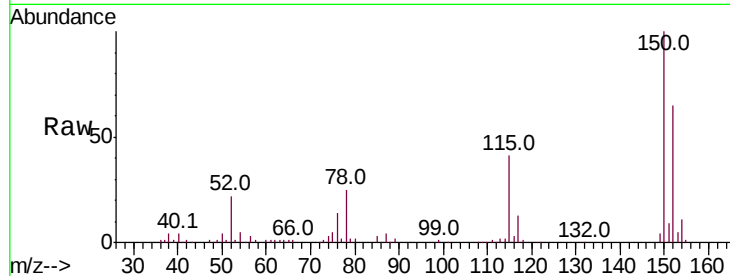


#1

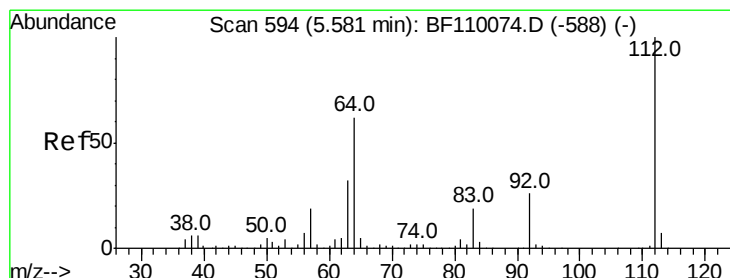
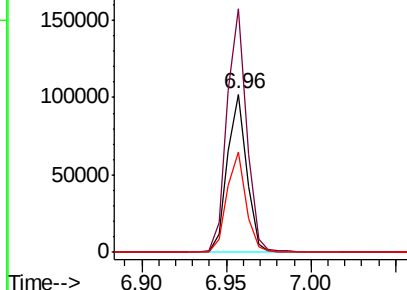
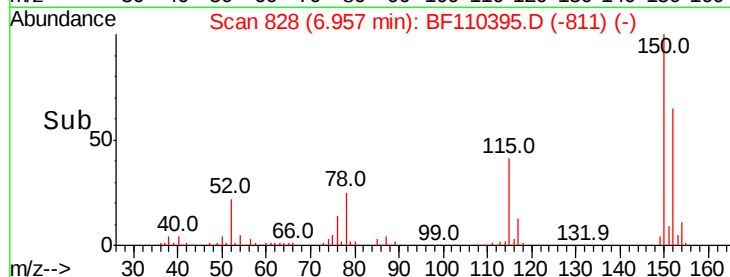
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BF110395.D  
Acq: 2 Nov 2018 6:50

Instrument :  
BNA\_F  
ClientSampleId :  
TP-13

Tot Ion:152 Resp: 81668  
Ion Ratio Lower Upper  
152 100  
150 154.0 122.7 184.1  
115 63.0 49.1 73.7



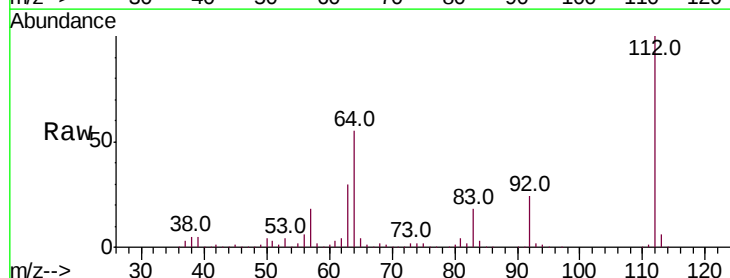
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



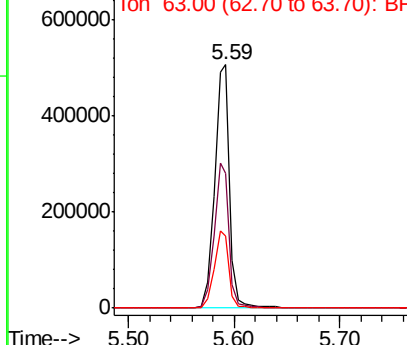
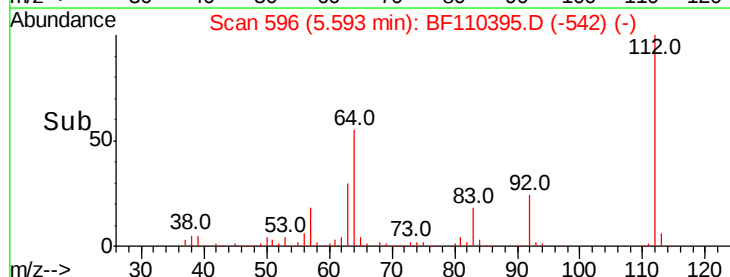
#5

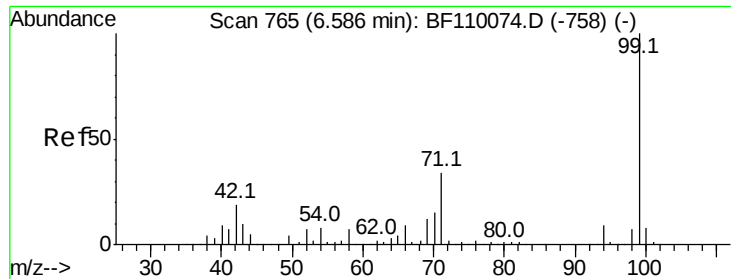
2-Fluorophenol  
Concen: 101.855 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.02 min  
Lab File: BF110395.D  
Acq: 2 Nov 2018 6:50

Tgt Ion:112 Resp: 510812  
Ion Ratio Lower Upper  
112 100  
64 55.5 44.1 66.1  
63 29.7 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: 86.702 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110395.D

Acq: 2 Nov 2018 6:50

Instrument :

BNA\_F

ClientSampleId :

TP-13

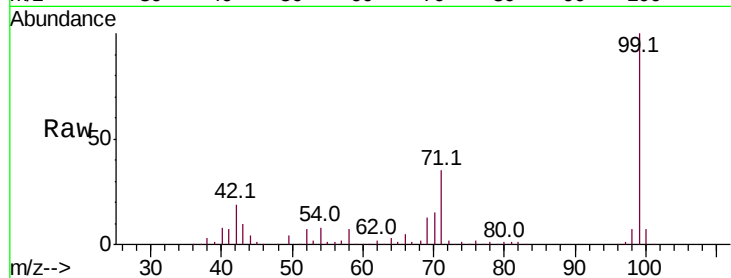
Tot Ion: 99 Resp: 556166

Ion Ratio Lower Upper

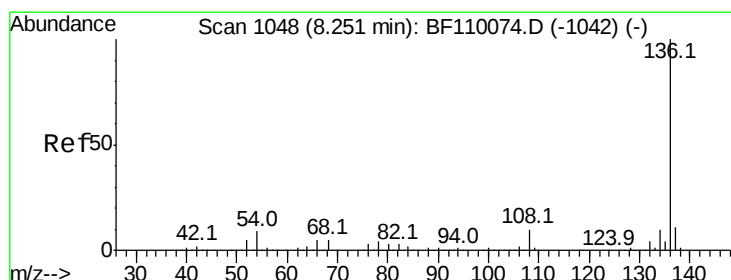
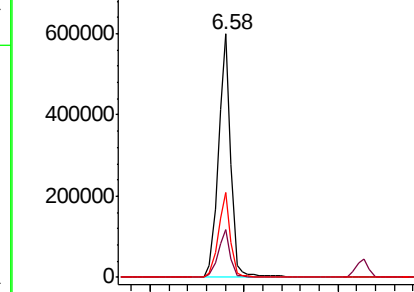
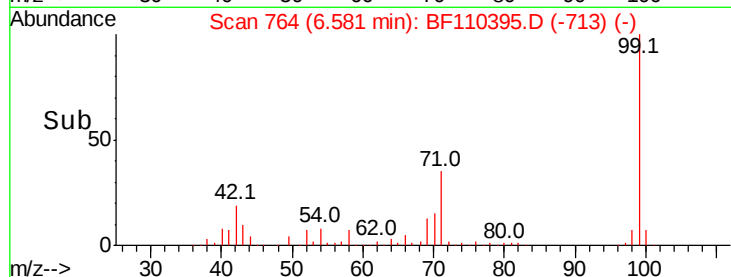
99 100

42 19.4 15.8 23.6

71 35.0 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: BF110395.D

Acq: 2 Nov 2018 6:50

Tgt Ion: 136 Resp: 320963

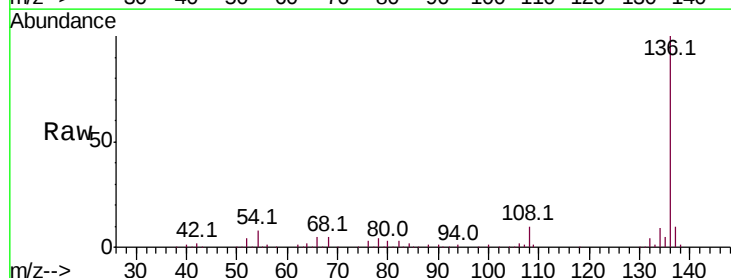
Ion Ratio Lower Upper

136 100

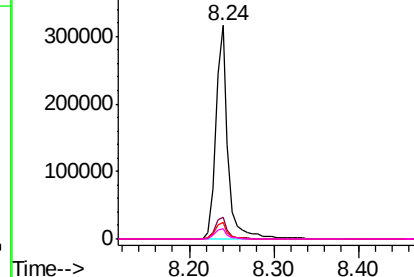
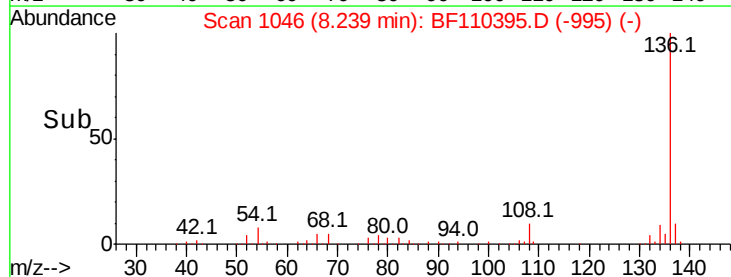
137 10.4 8.8 13.2

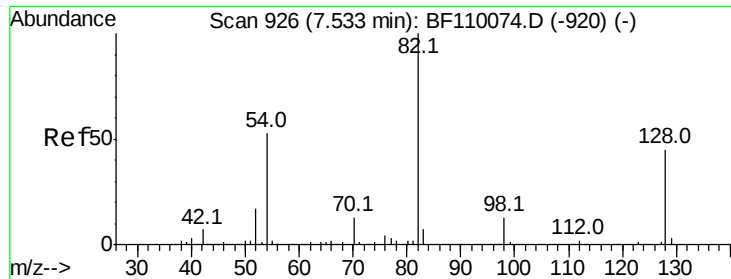
54 7.5 5.4 8.2

68 4.8 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

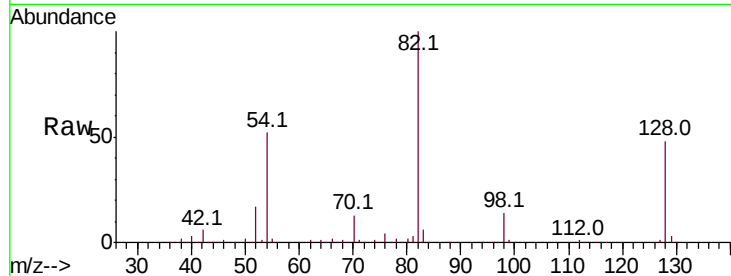




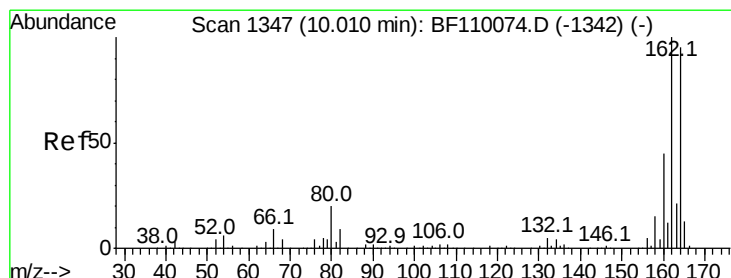
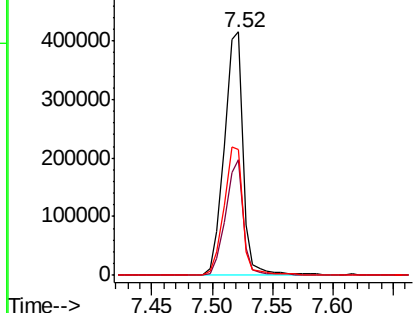
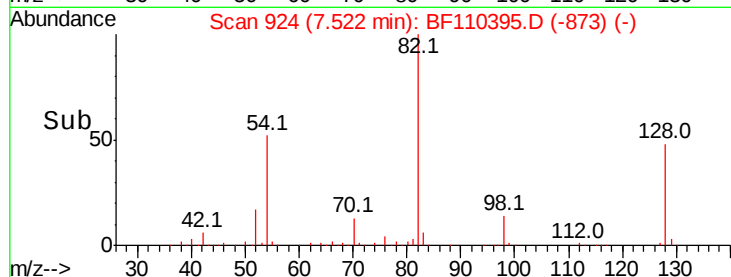
#23  
 Nitrobenzene-d5  
 Concen: 83.120 ng  
 RT: 7.52 min Scan# 924  
 Delta R.T. 0.00 min  
 Lab File: BF110395.D  
 Acq: 2 Nov 2018 6:50

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-13

Tot Ion: 82 Resp: 449788  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 34.2 51.2  
 54 51.9 38.6 58.0

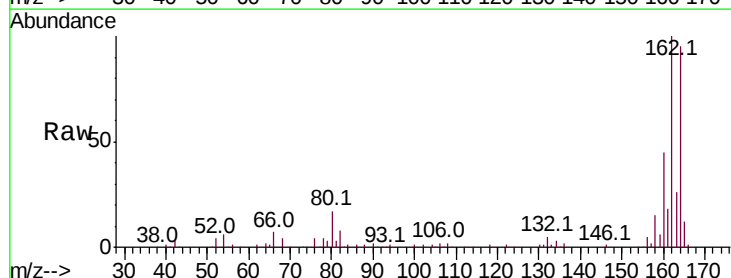


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

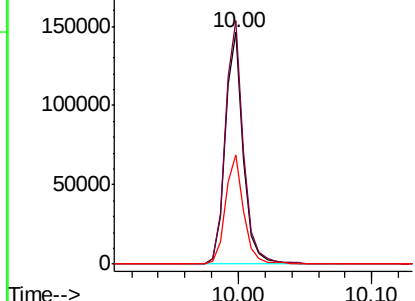
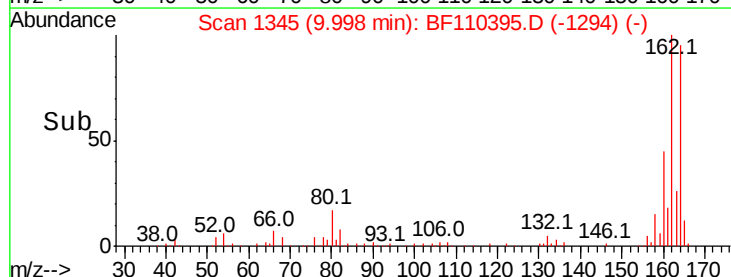


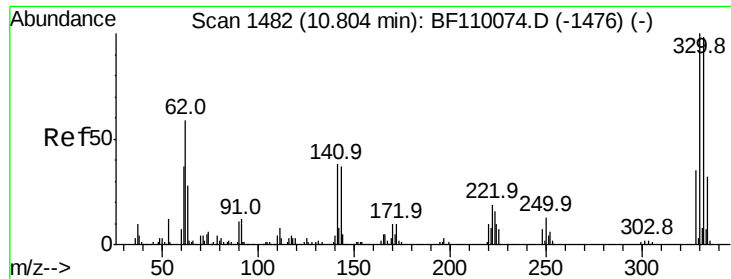
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. 0.00 min  
 Lab File: BF110395.D  
 Acq: 2 Nov 2018 6:50

Tgt Ion:164 Resp: 138582  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 83.0 124.6  
 160 46.9 37.0 55.6



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

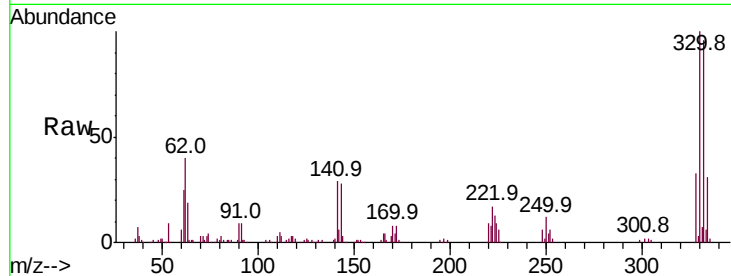




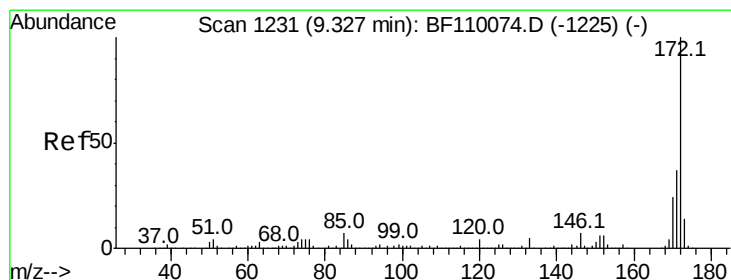
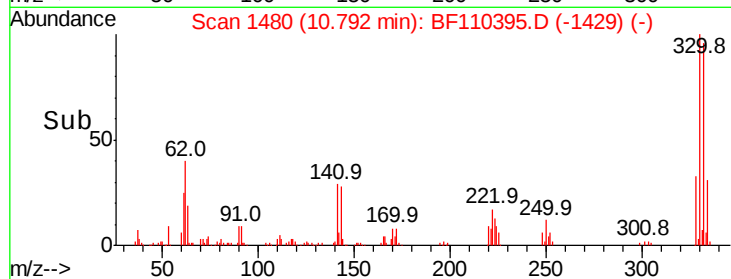
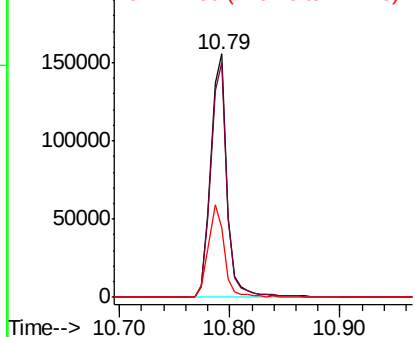
#42  
 2,4,6-Tribromophenol  
 Concen: 113.717 ng  
 RT: 10.79 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: BF110395.D  
 Acq: 2 Nov 2018 6:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.1  | 115.7 |
| 141     | 36.9  | 27.0  | 40.4  |

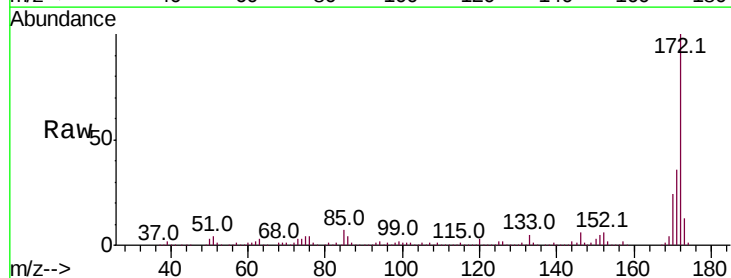


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

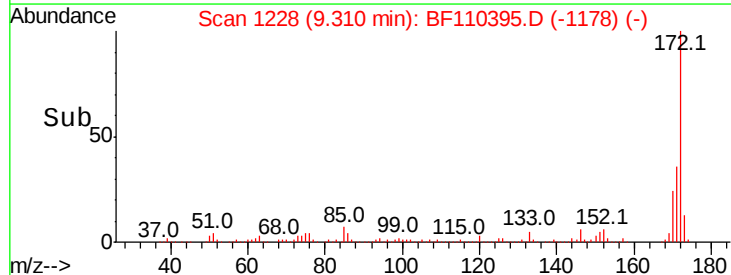
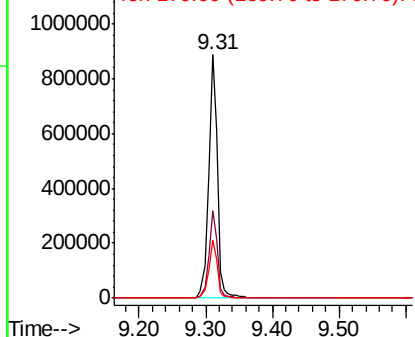


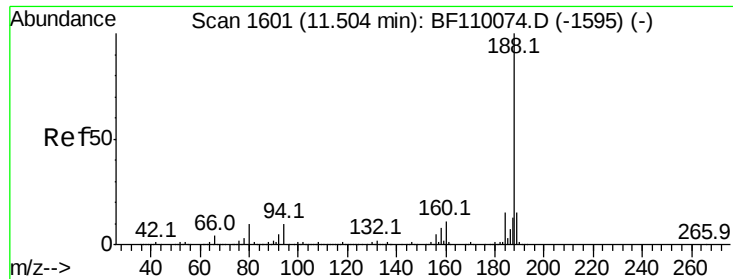
#45  
 2-Fluorobiphenyl  
 Concen: 92.282 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110395.D  
 Acq: 2 Nov 2018 6:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.6  | 43.0  |
| 170     | 23.8  | 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: BF110395.D

Acq: 2 Nov 2018 6:50

Instrument :

BNA\_F

ClientSampleId :

TP-13

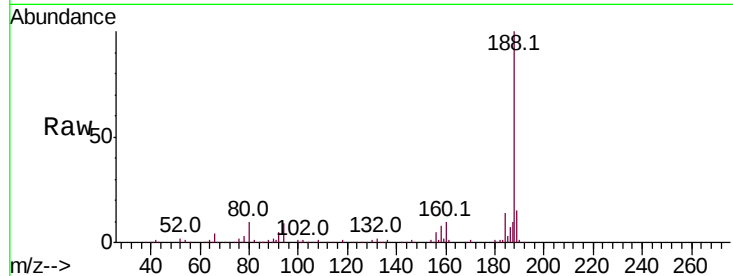
Tot Ion:188 Resp: 229842

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

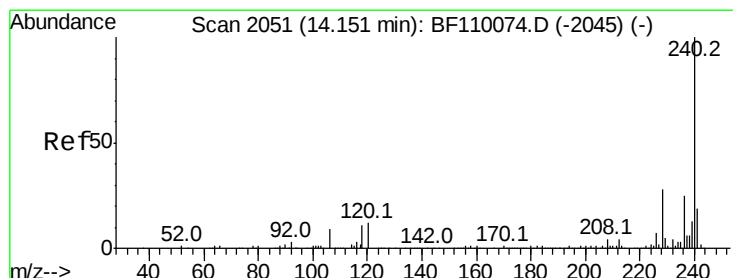
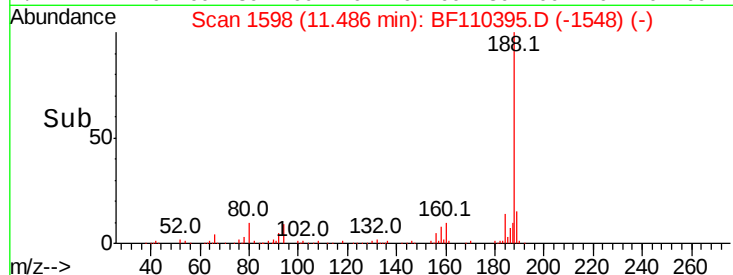
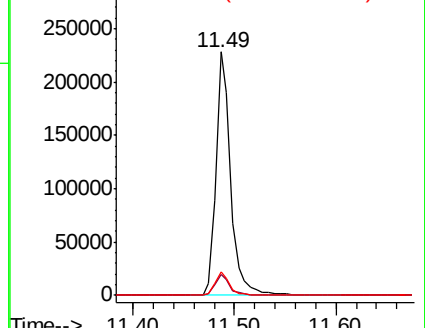
80 9.9 7.9 11.9



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: BF110395.D

Acq: 2 Nov 2018 6:50

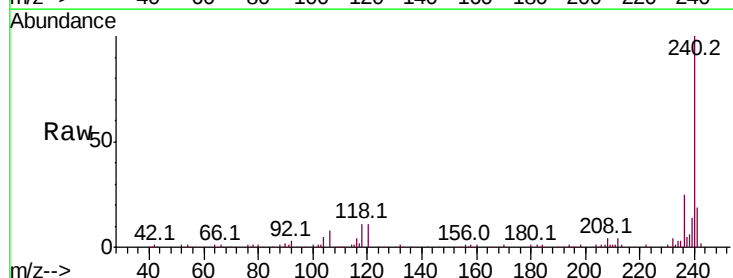
Tgt Ion:240 Resp: 171403

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

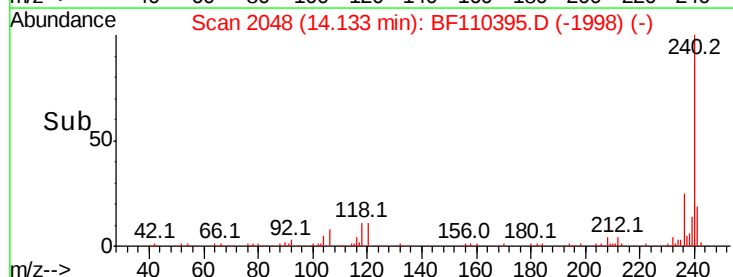
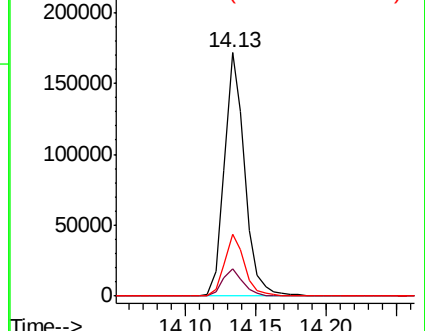
236 25.4 21.2 31.8

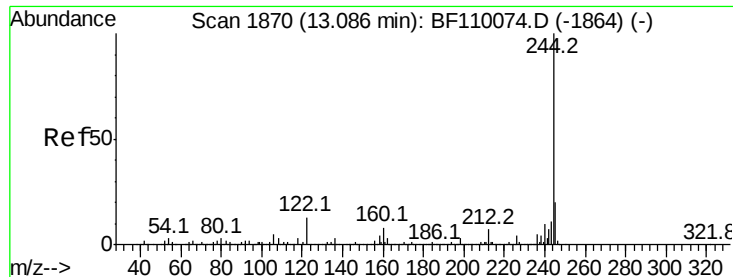


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 82.861 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110395.D

Acq: 2 Nov 2018 6:50

Instrument :

BNA\_F

ClientSampled :

TP-13

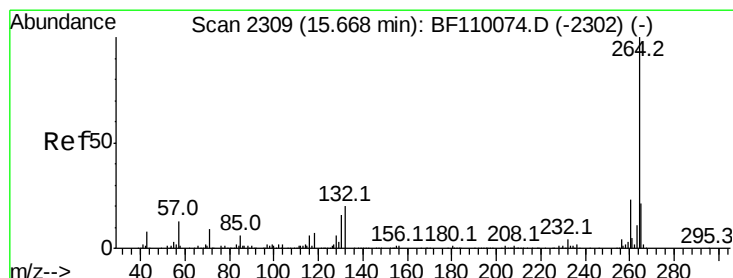
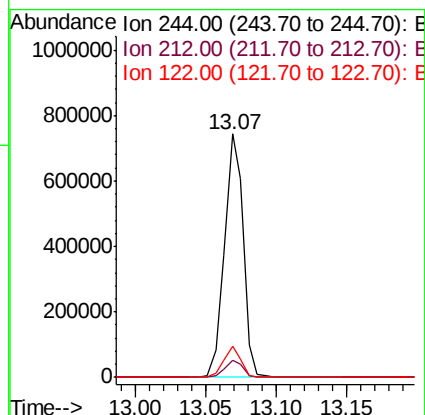
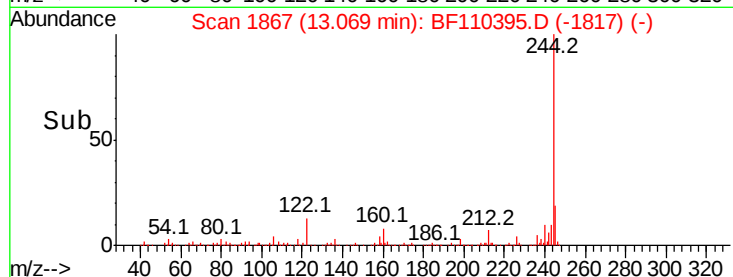
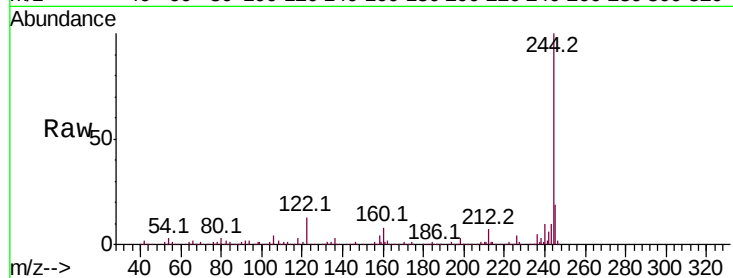
Tot Ion:244 Resp: 682917

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 12.6 8.7 13.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110395.D

Acq: 2 Nov 2018 6:50

Tgt Ion:264 Resp: 141838

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

265 22.2 16.7 25.1

