

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\  
 Data File : BF110453.D  
 Acq On : 3 Nov 2018 11:14  
 Operator : JU/SJ  
 Sample : PB114423BL  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB114423BL

Quant Time: Nov 05 04:14:09 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   | 6.95  | 152  | 87981    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 321406   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.99  | 164  | 128979   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.49 | 188  | 210041   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.13 | 240  | 139119   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.66 | 264  | 98491    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 492255   | 91.11  | ng    | 0.01     |
| 7) Phenol-d6                | 6.58  | 99   | 605859   | 87.67  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 549621   | 101.43 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.79 | 330  | 100062   | 78.32  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.31  | 172  | 951497   | 115.84 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.07 | 244  | 764991   | 114.36 | ng    | 0.00     |

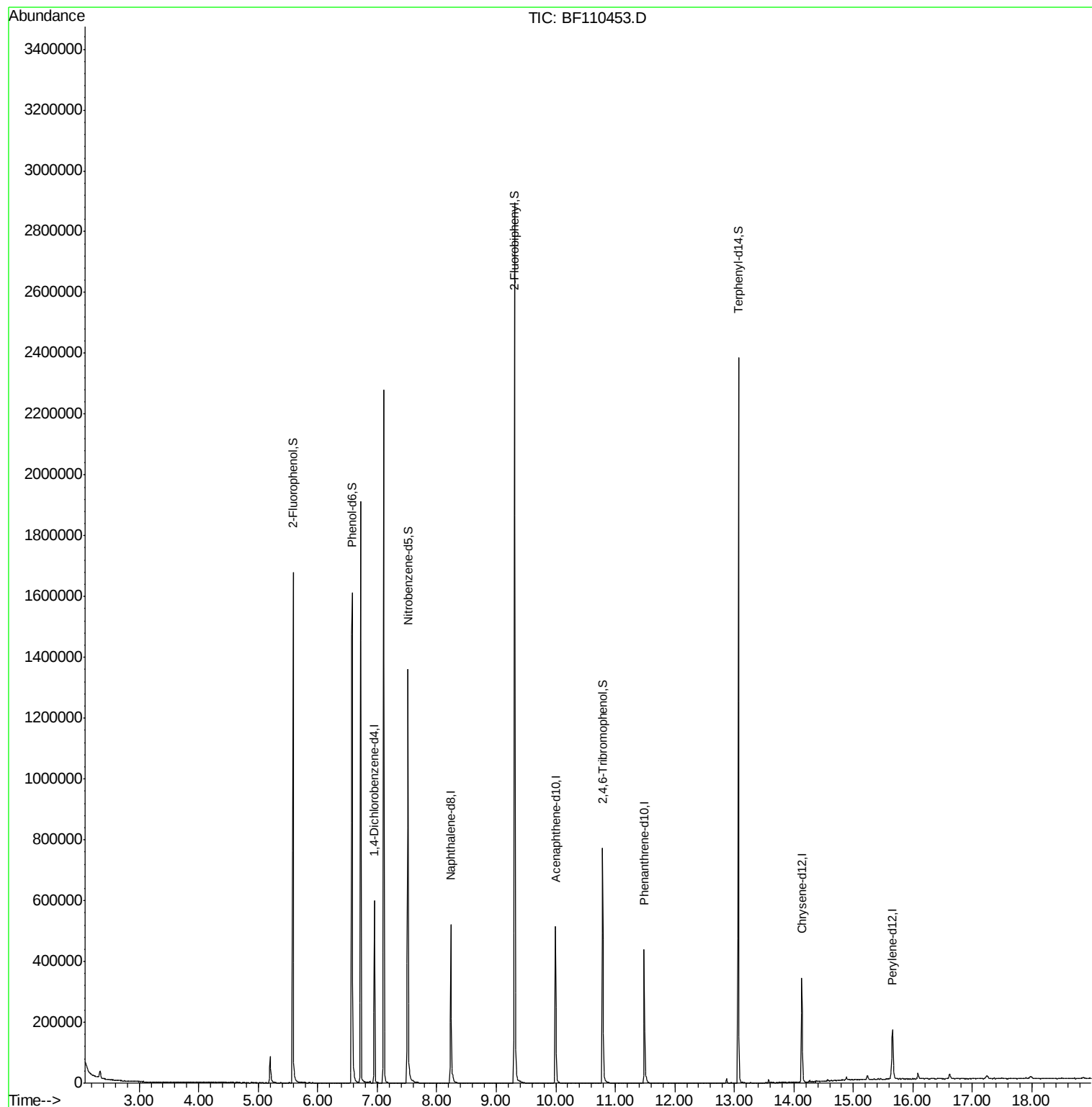
Target Compounds Qvalue

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

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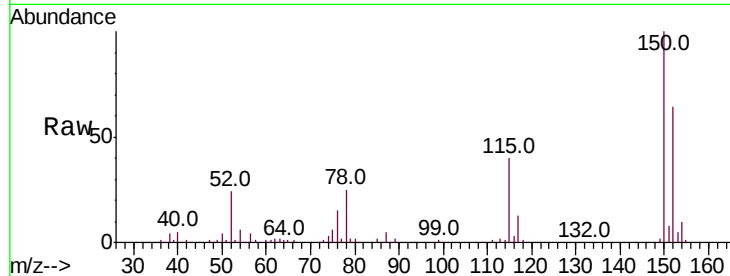


#1

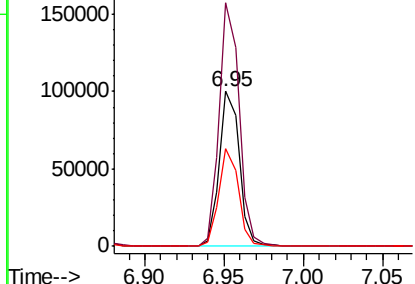
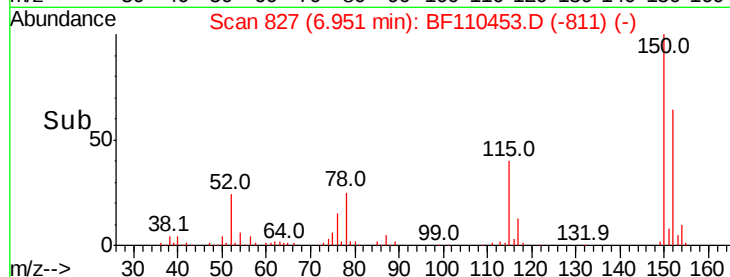
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 827  
 Delta R.T. -0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB114423BL

Tot Ion:152 Resp: 87981  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 122.7 184.1  
 115 63.0 49.1 73.7



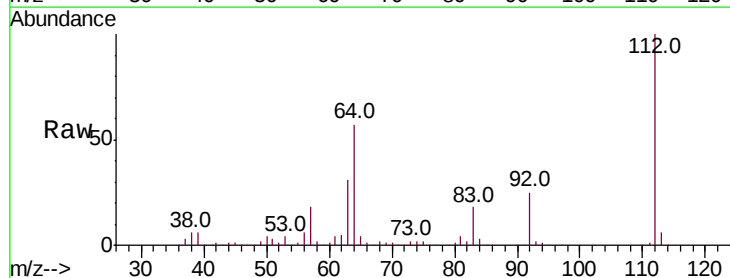
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



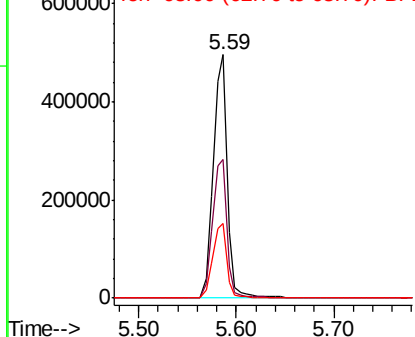
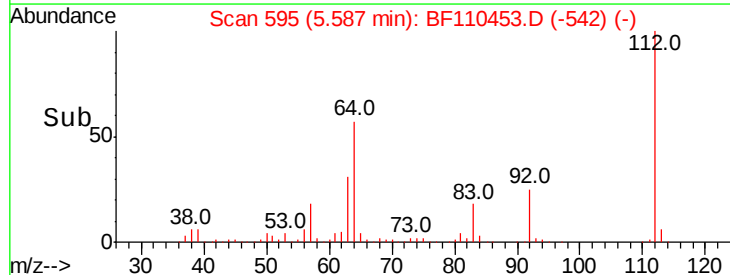
#5

2-Fluorophenol  
 Concen: 91.112 ng  
 RT: 5.59 min Scan# 595  
 Delta R.T. 0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Tgt Ion:112 Resp: 492255  
 Ion Ratio Lower Upper  
 112 100  
 64 57.0 44.1 66.1  
 63 30.7 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: 87.672 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110453.D

Acq: 3 Nov 2018 11:14

Instrument :

BNA\_F

ClientSampleId :

PB114423BL

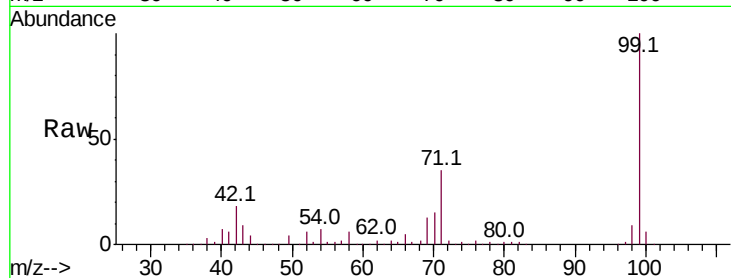
Tot Ion: 99 Resp: 605859

Ion Ratio Lower Upper

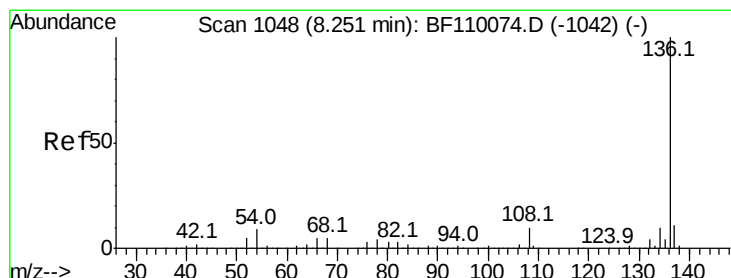
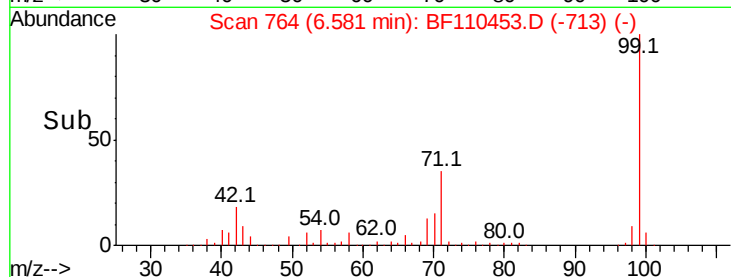
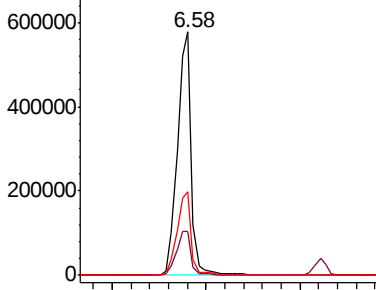
99 100

42 17.8 15.8 23.6

71 34.5 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: BF110453.D

Acq: 3 Nov 2018 11:14

Tgt Ion: 136 Resp: 321406

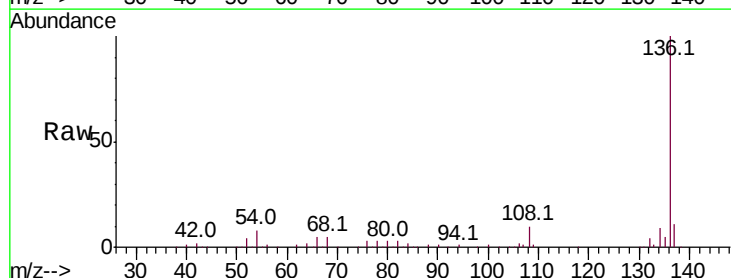
Ion Ratio Lower Upper

136 100

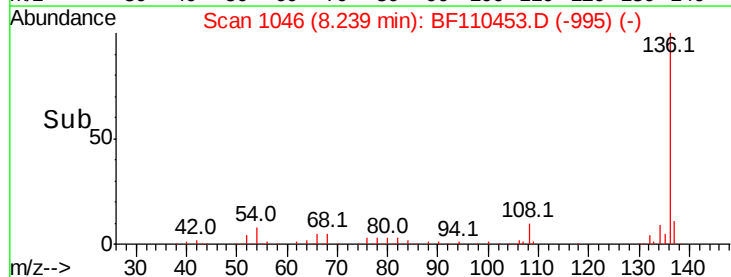
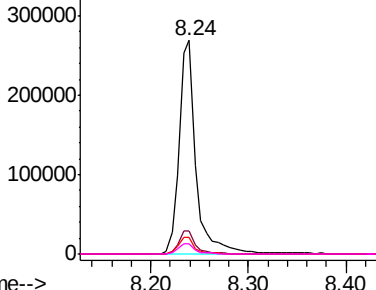
137 10.8 8.8 13.2

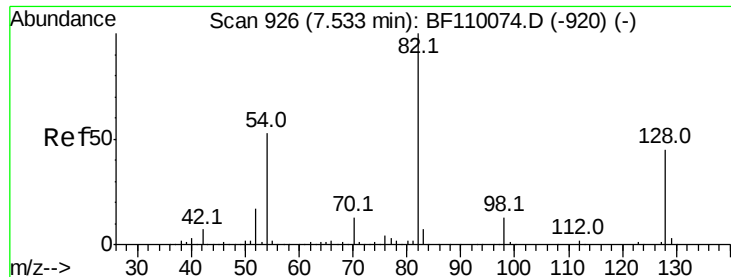
54 7.7 5.4 8.2

68 4.7 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

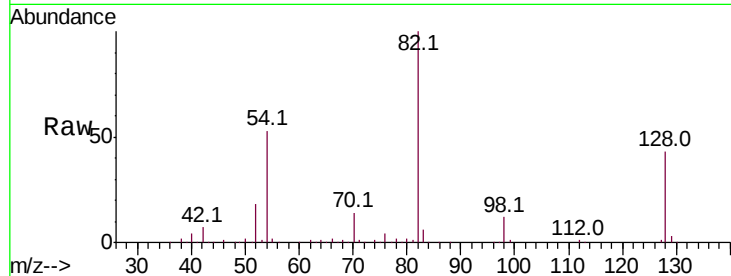




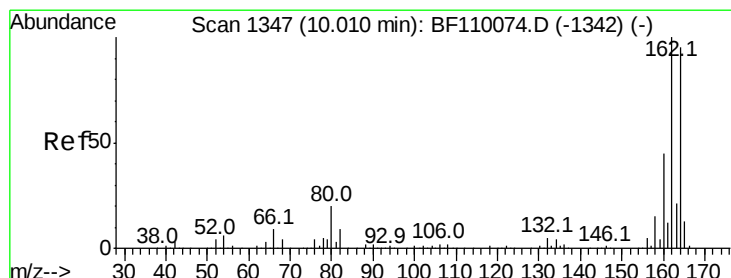
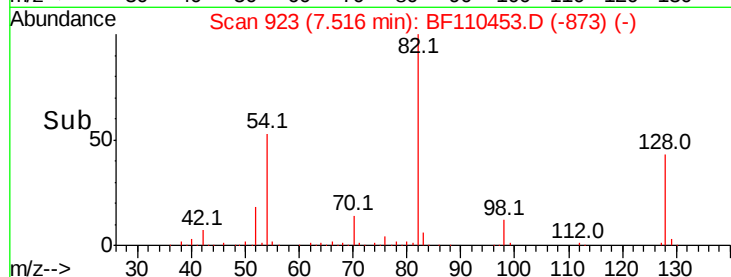
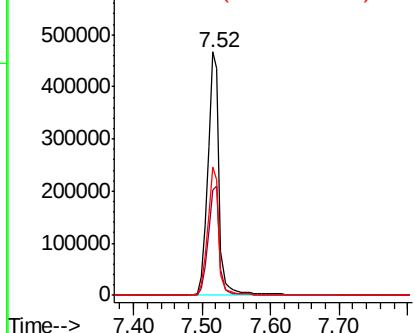
#23  
 Nitrobenzene-d5  
 Concen: 101.429 ng  
 RT: 7.52 min Scan# 923  
 Delta R.T. -0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB114423BL

Tot Ion: 82 Resp: 549621  
 Ion Ratio Lower Upper  
 82 100  
 128 43.3 34.2 51.2  
 54 52.6 38.6 58.0

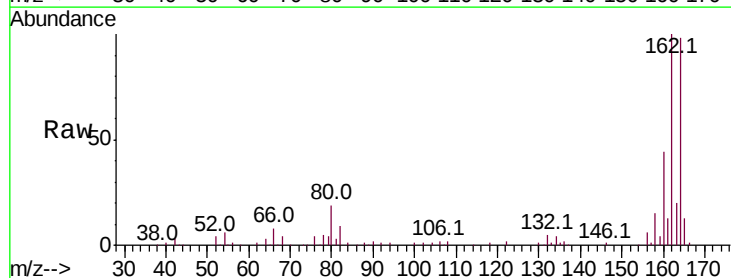


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

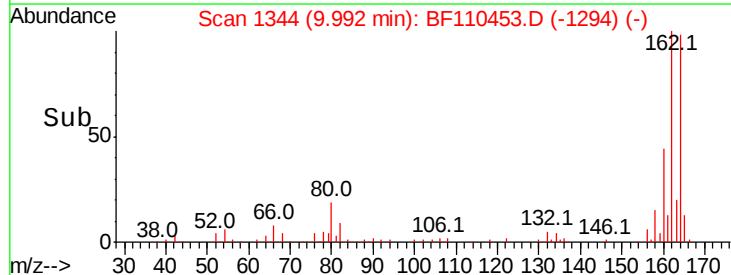
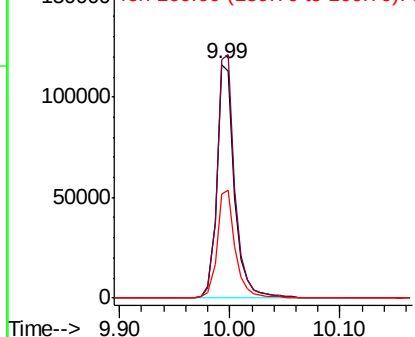


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.99 min Scan# 1344  
 Delta R.T. -0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Tgt Ion:164 Resp: 128979  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 83.0 124.6  
 160 44.6 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

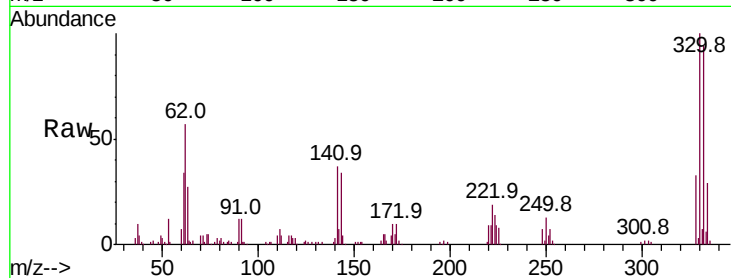




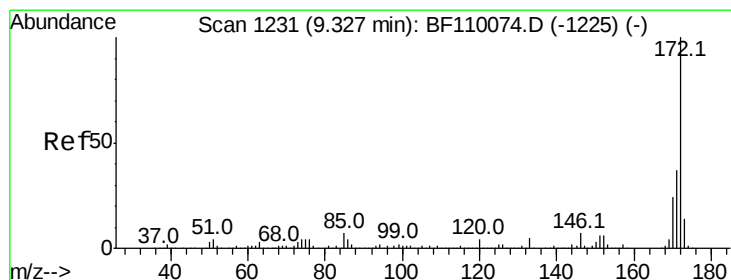
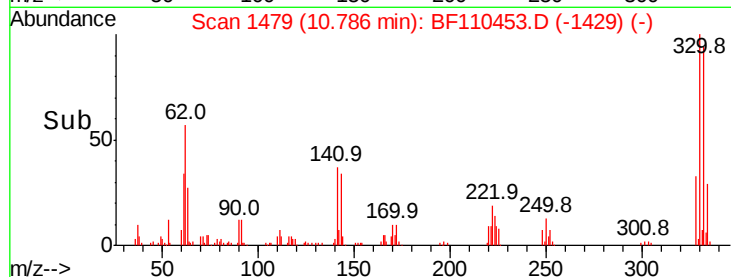
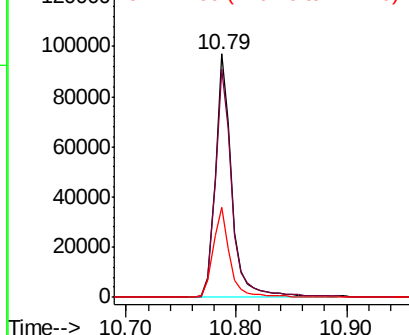
#42  
 2,4,6-Tribromophenol  
 Concen: 78.319 ng  
 RT: 10.79 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB114423BL

Tot Ion:330 Resp: 100062  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 77.1 115.7  
 141 36.9 27.0 40.4

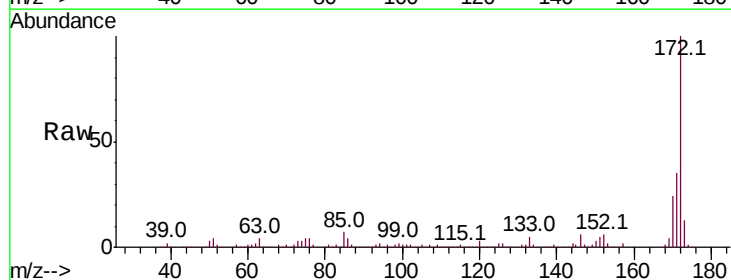


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

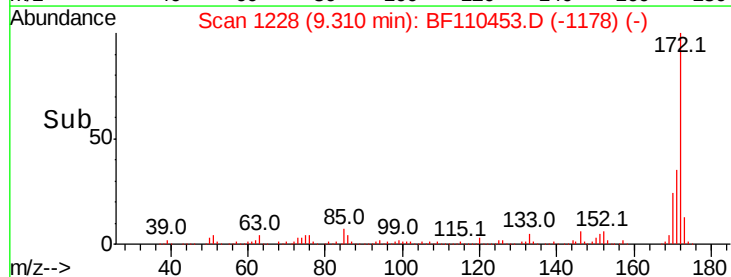
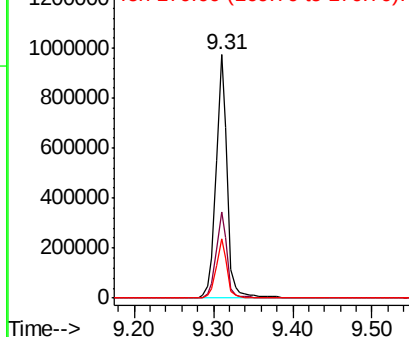


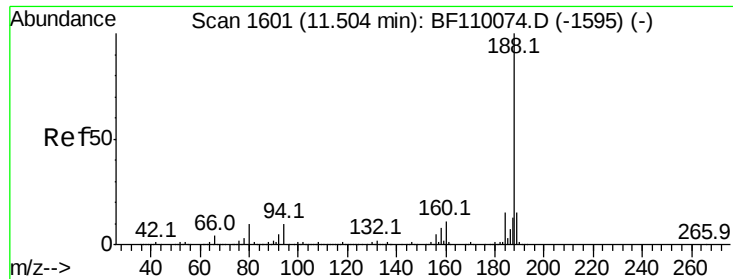
#45  
 2-Fluorobiphenyl  
 Concen: 115.840 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF110453.D  
 Acq: 3 Nov 2018 11:14

Tgt Ion:172 Resp: 951497  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 24.4 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: BF110453.D

Acq: 3 Nov 2018 11:14

Instrument :

BNA\_F

ClientSampleId :

PB114423BL

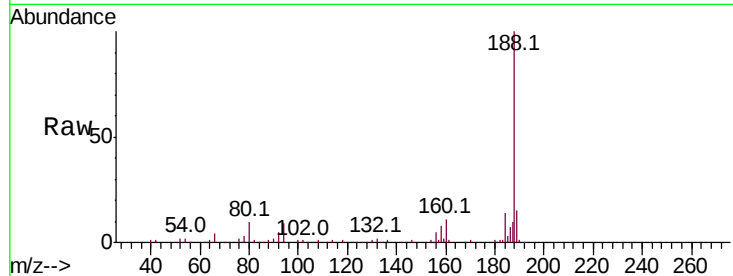
Tot Ion:188 Resp: 210041

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

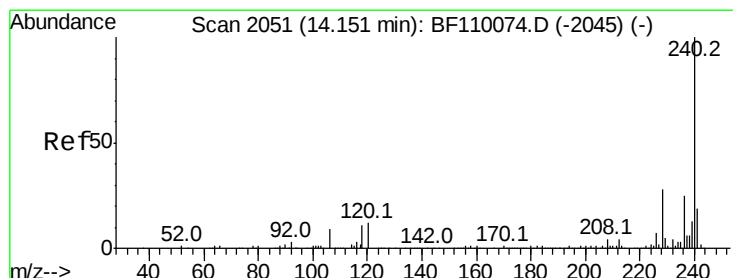
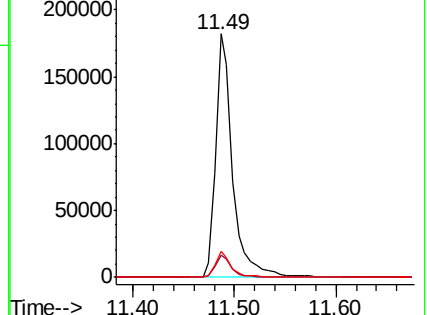
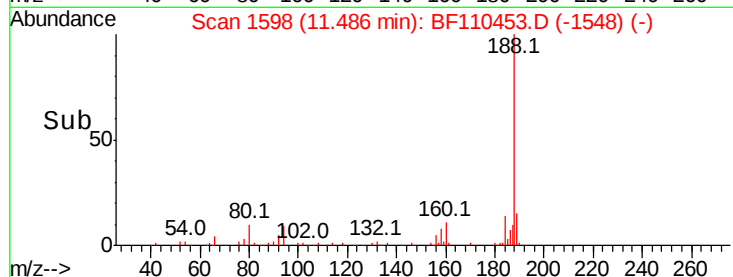
80 10.5 7.9 11.9



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: BF110453.D

Acq: 3 Nov 2018 11:14

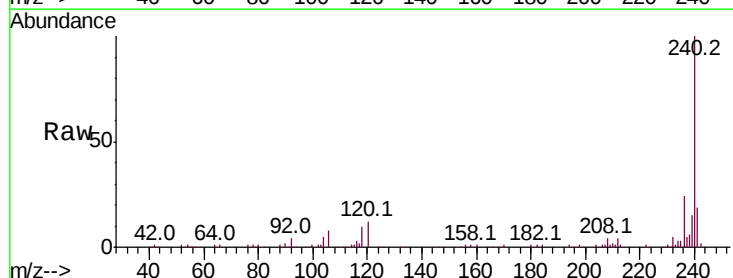
Tgt Ion:240 Resp: 139119

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

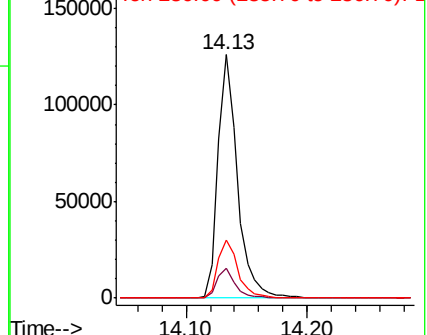
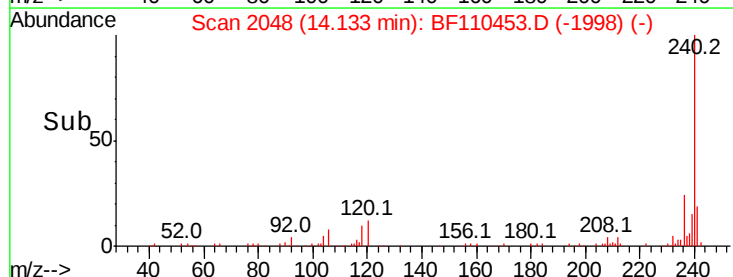
236 24.0 21.2 31.8



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: 114.360 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110453.D

Acq: 3 Nov 2018 11:14

Instrument :

BNA\_F

ClientSampleId :

PB114423BL

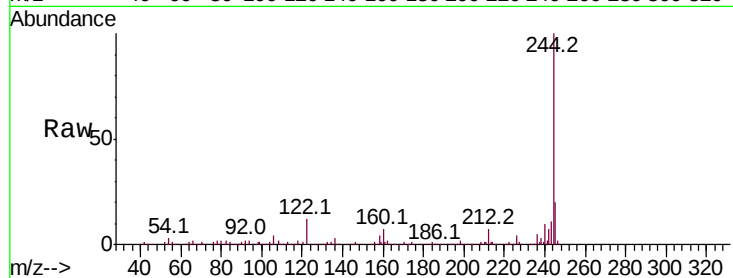
Tot Ion:244 Resp: 764991

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

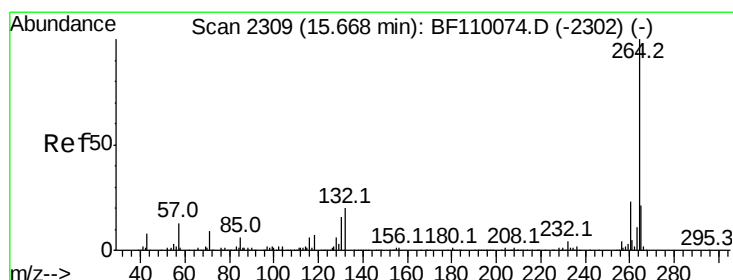
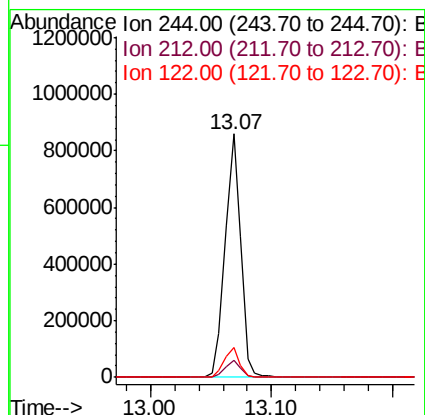
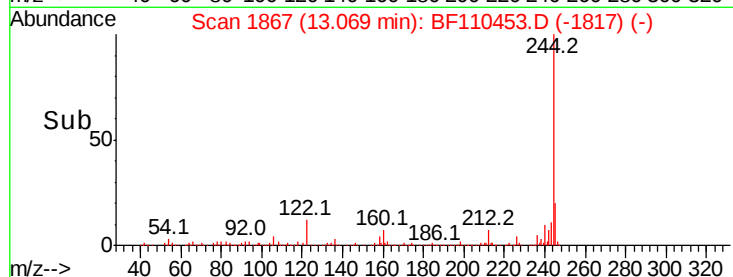
122 12.5 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110453.D

Acq: 3 Nov 2018 11:14

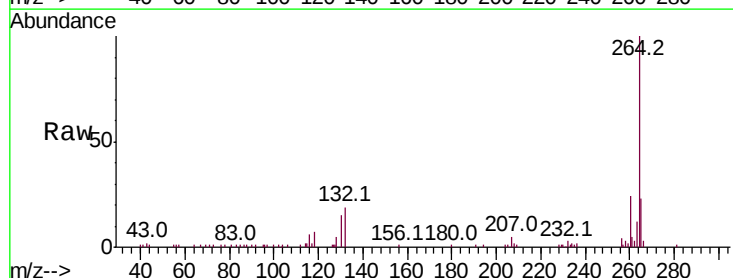
Tgt Ion:264 Resp: 98491

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 23.3 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

