

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\  
 Data File : BF102935.D  
 Acq On : 12 Feb 2018 22:46  
 Operator : SJ/JU  
 Sample : PB106452BL  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106452BL

Quant Time: Feb 13 02:15:40 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 175846   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 720887   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 284465   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.41 | 188  | 383989   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.05 | 240  | 296670   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.54 | 264  | 260327   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 1182833  | 102.15 | ng    | 0.02     |
| 7) Phenol-d6                | 6.51  | 99   | 1378607  | 98.88  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 906353   | 87.22  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 188271   | 82.23  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1410693  | 82.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.00 | 244  | 895474   | 71.47  | ng    | 0.00     |

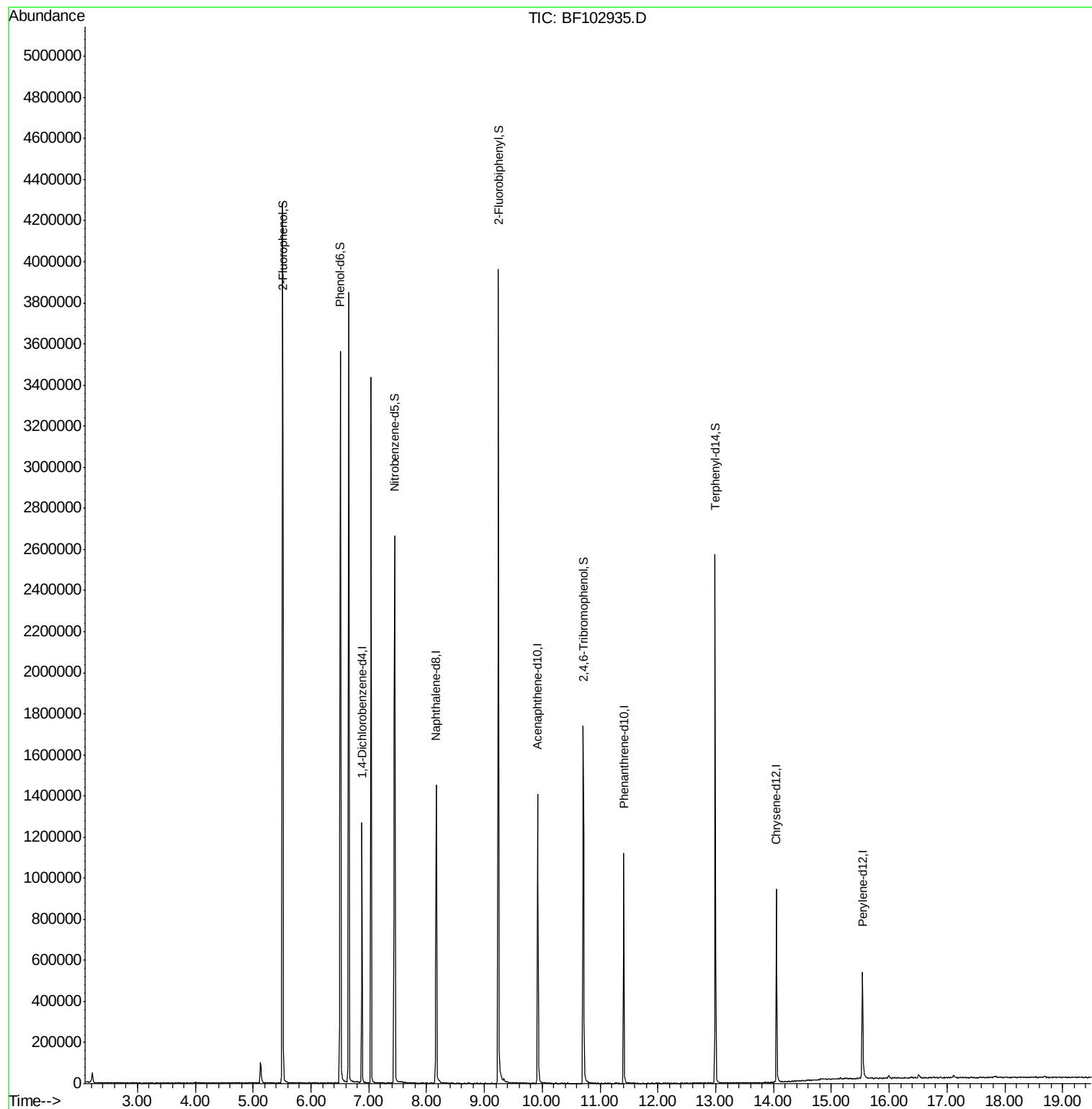
Target Compounds Qvalue

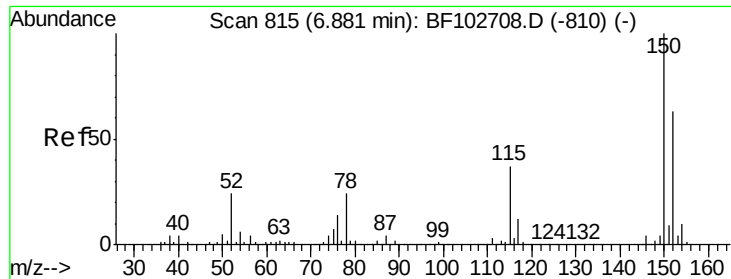
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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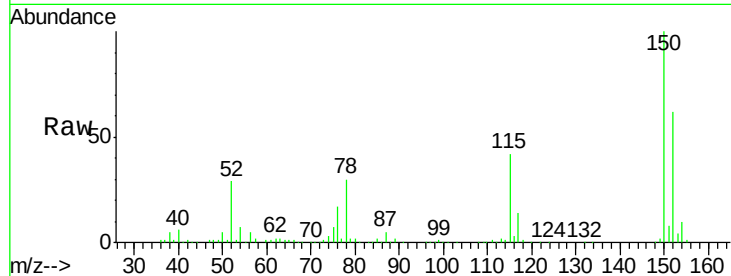


#1

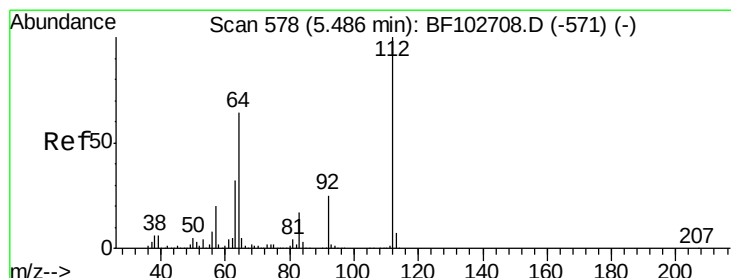
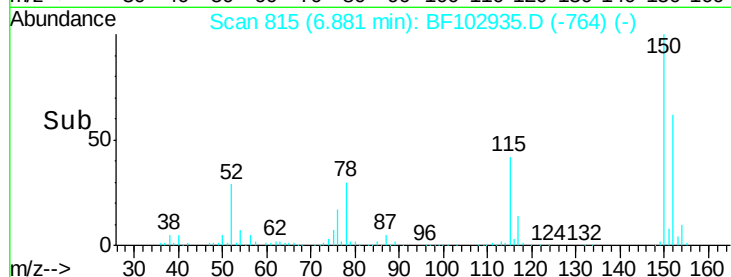
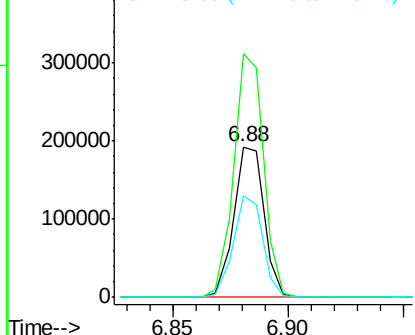
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF102935.D  
Acq: 12 Feb 2018 22:46

Instrument :  
BNA\_F  
ClientSampleId :  
PB106452BL

Tot Ion:152 Resp: 175846  
Ion Ratio Lower Upper  
152 100  
150 161.9 124.6 186.8  
115 67.8 50.1 75.1



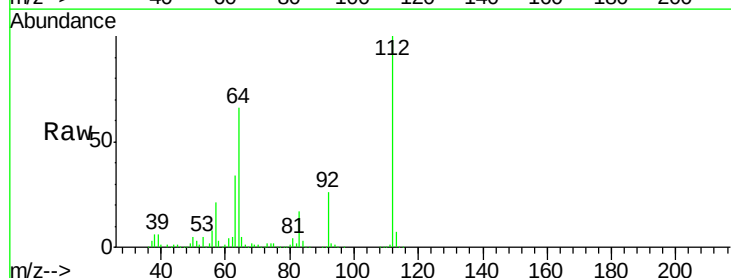
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



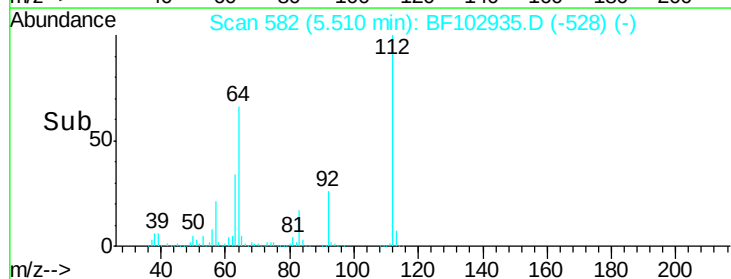
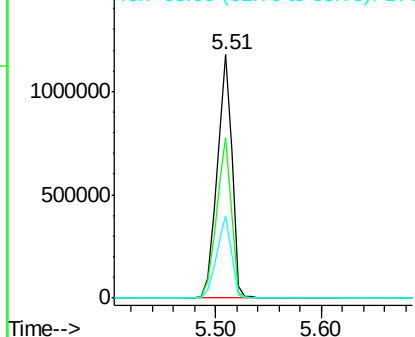
#5

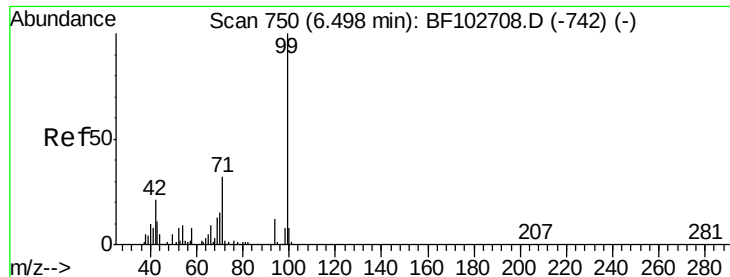
2-Fluorophenol  
Concen: 102.154 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.02 min  
Lab File: BF102935.D  
Acq: 12 Feb 2018 22:46

Tgt Ion:112 Resp: 1182833  
Ion Ratio Lower Upper  
112 100  
64 66.1 47.9 71.9  
63 33.8 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: 98.883 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

Instrument :

BNA\_F

ClientSampleId :

PB106452BL

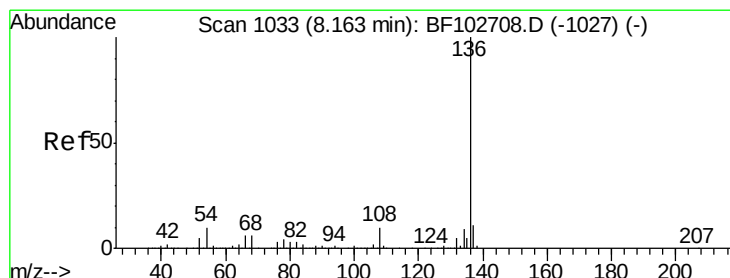
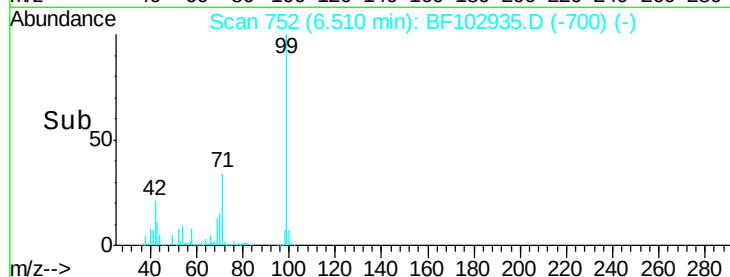
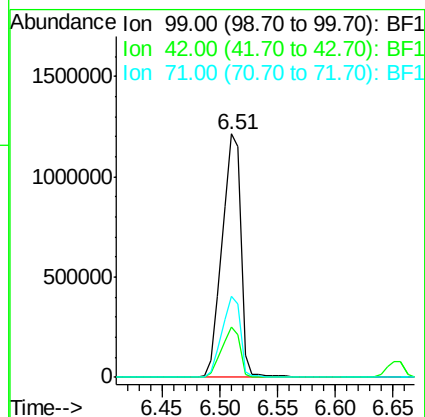
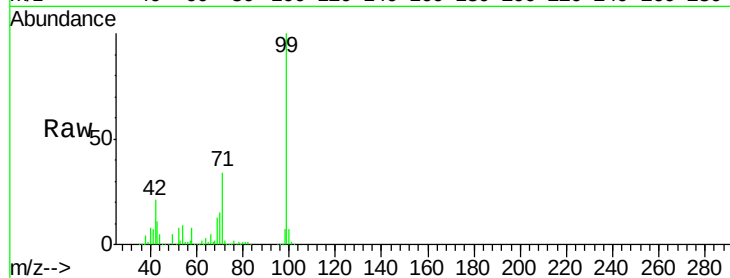
Tot Ion: 99 Resp: 1378607

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

Tgt Ion: 136 Resp: 720887

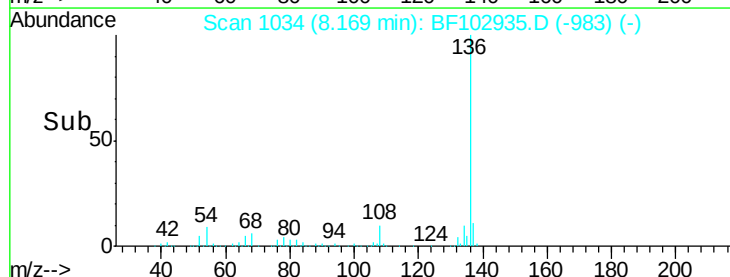
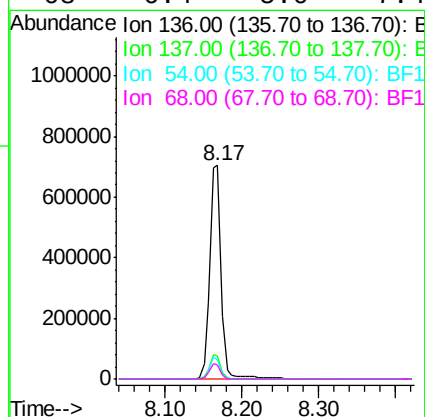
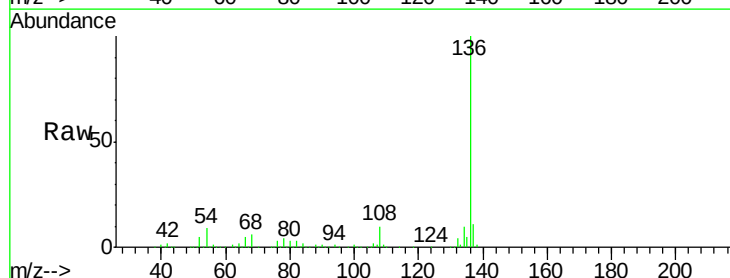
Ion Ratio Lower Upper

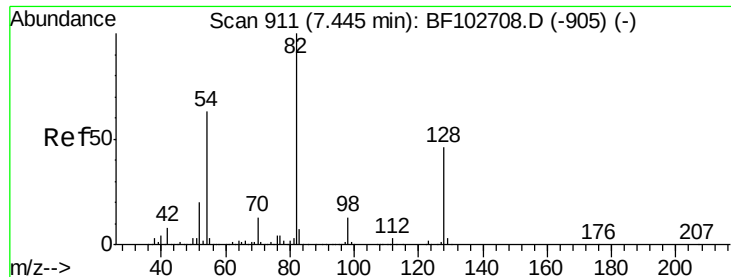
136 100

137 10.8 8.9 13.3

54 9.2 6.6 9.8

68 6.4 5.0 7.4

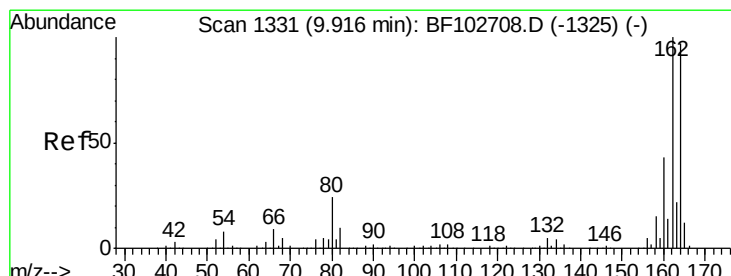
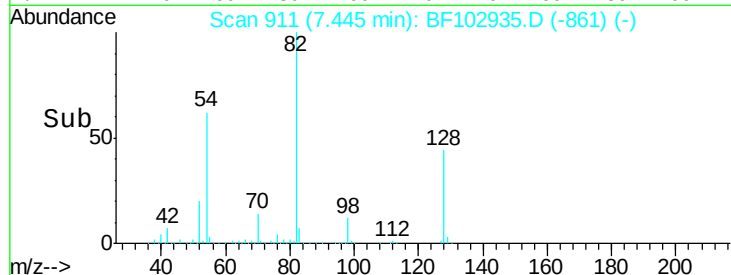
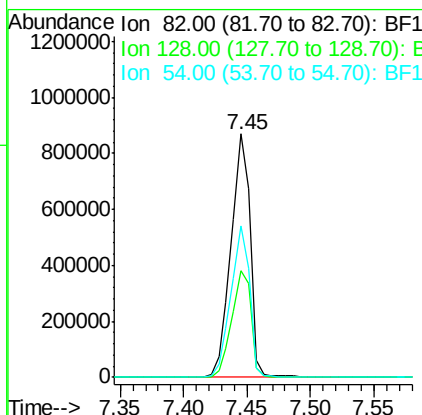
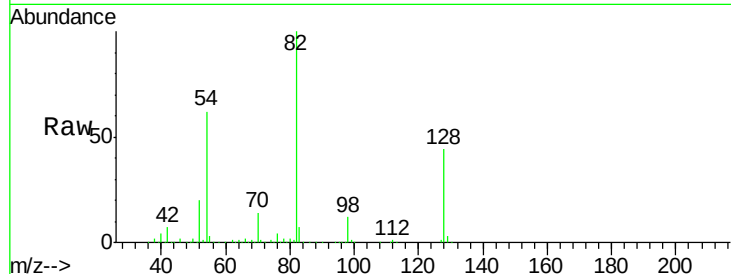




#23  
Nitrobenzene-d5  
Concen: 87.218 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF102935.D  
Acq: 12 Feb 2018 22:46

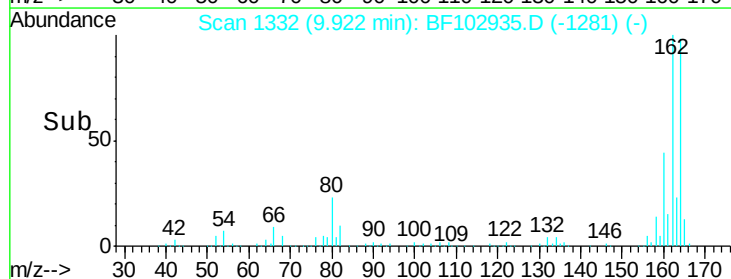
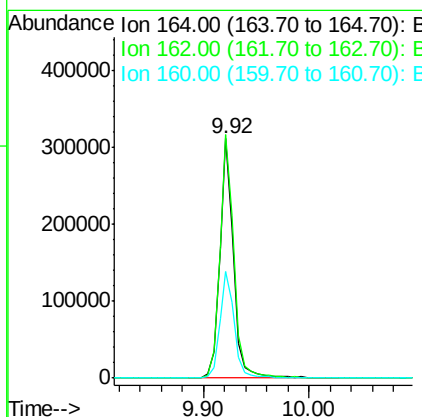
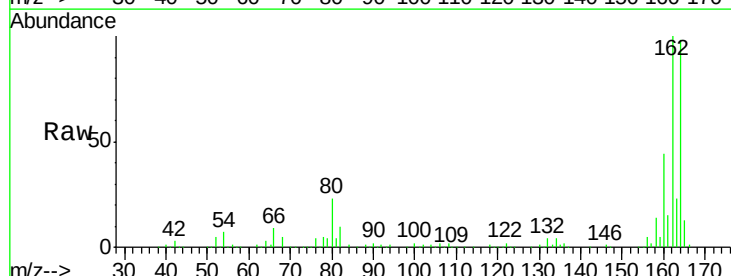
Instrument :  
BNA\_F  
ClientSampleId :  
PB106452BL

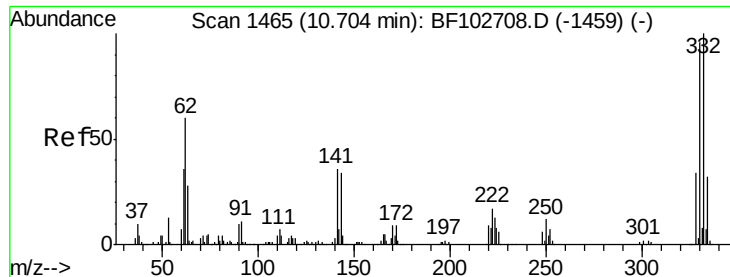
| Tot Ion   | 82    | Resp  | 906353 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.6  | 36.1  | 54.1   |
| 54        | 62.0  | 41.4  | 62.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BF102935.D  
Acq: 12 Feb 2018 22:46

| Tgt Ion   | 164   | Resp  | 284465 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 86.1  | 129.1  |
| 160       | 44.6  | 38.3  | 57.5   |





#41

2,4,6-Tribromophenol

Concen: 82.228 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

Instrument :

BNA\_F

ClientSampleId :

PB106452BL

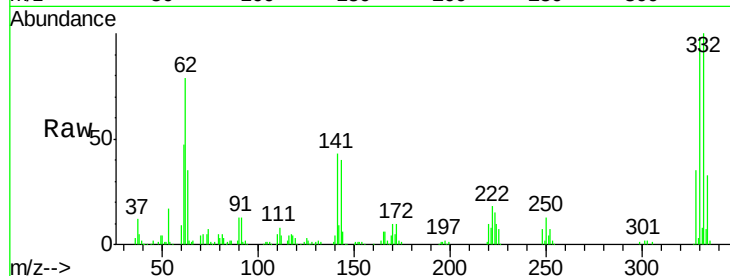
Tot Ion:330 Resp: 188271

Ion Ratio Lower Upper

330 100

332 105.0 77.0 115.6

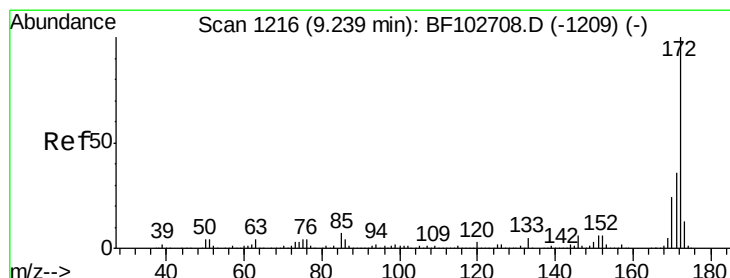
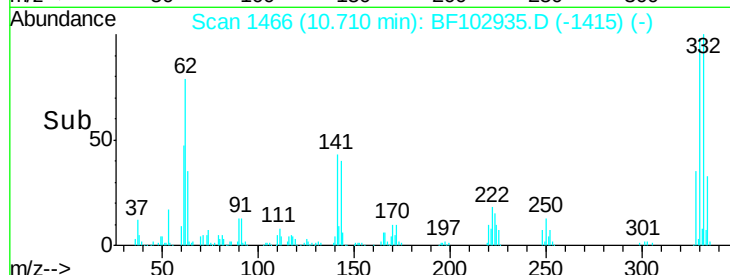
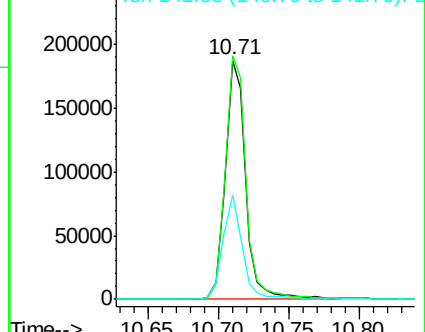
141 42.8 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 82.289 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

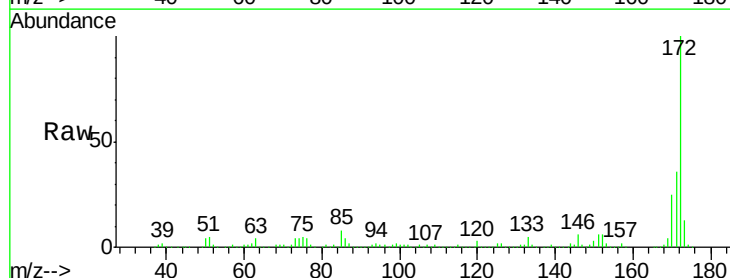
Tgt Ion:172 Resp: 1410693

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

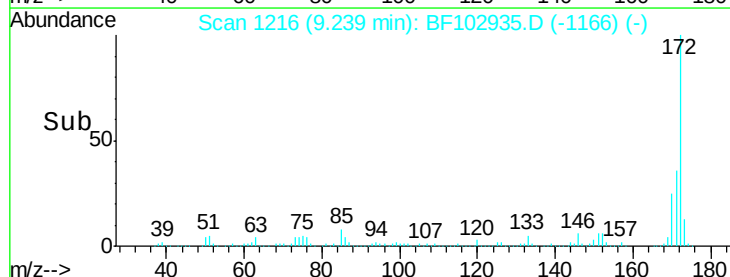
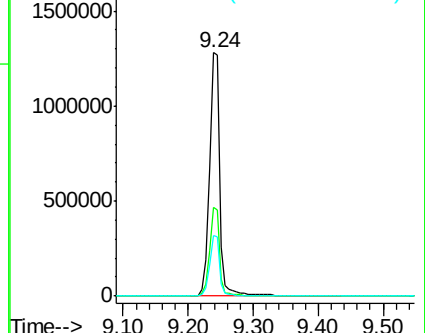
170 24.6 19.6 29.4

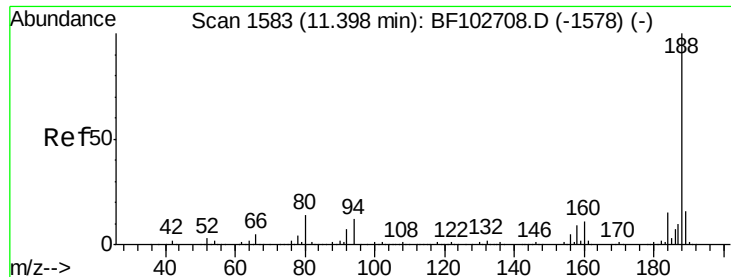


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

Instrument :

BNA\_F

ClientSampleId :

PB106452BL

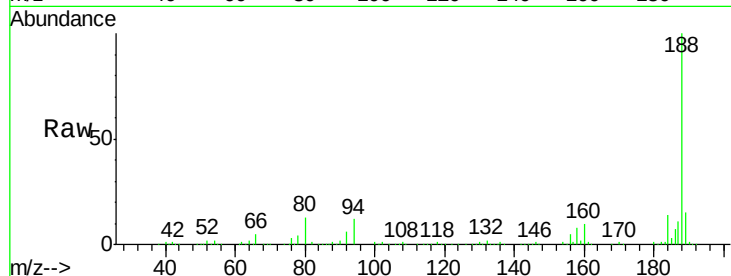
Tot Ion:188 Resp: 383989

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

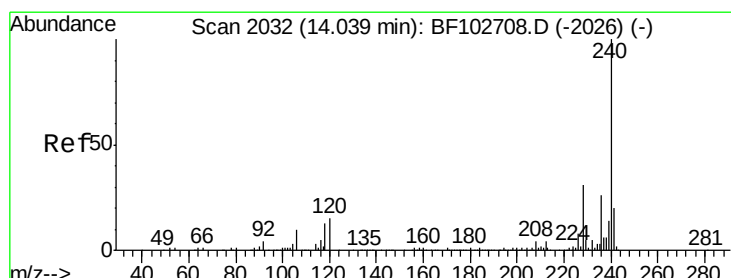
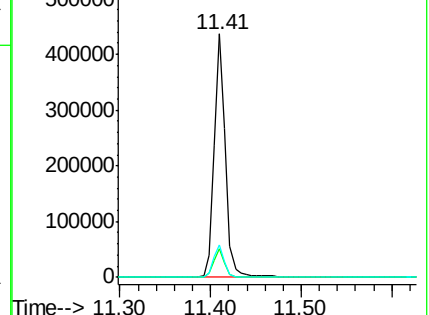
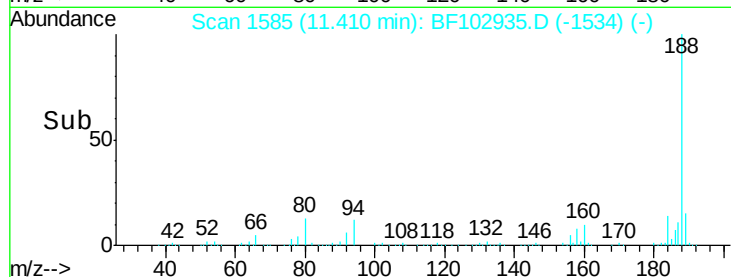
80 13.2 9.2 13.8



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

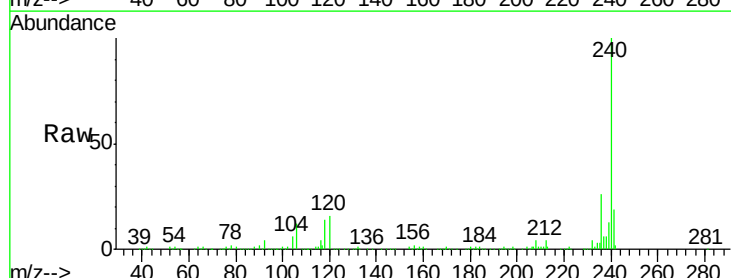
Tgt Ion:240 Resp: 296670

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

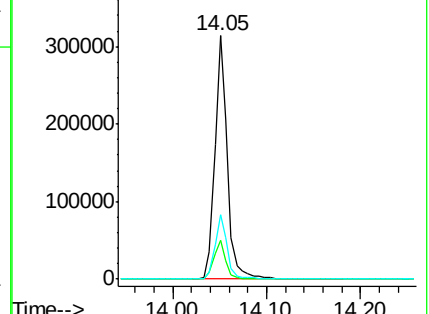
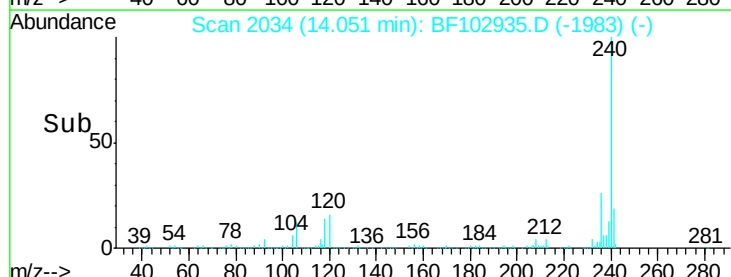
236 26.4 20.7 31.1

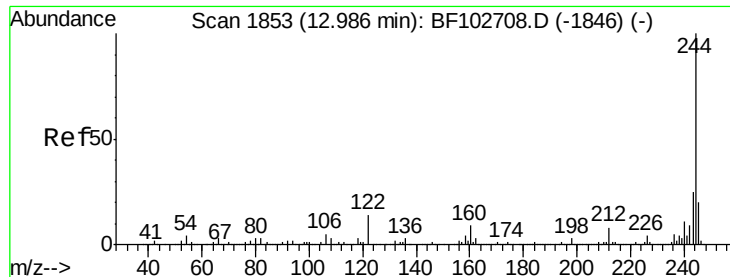


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.469 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

Instrument :

BNA\_F

ClientSampleId :

PB106452BL

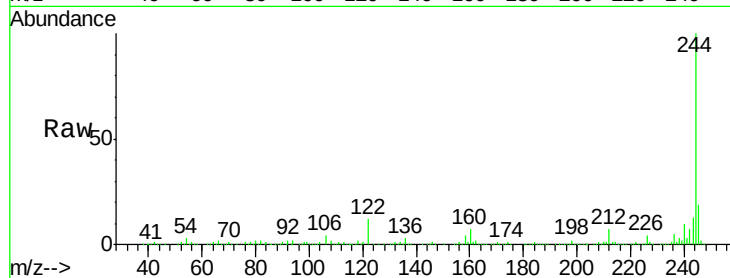
Tot Ion:244 Resp: 895474

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

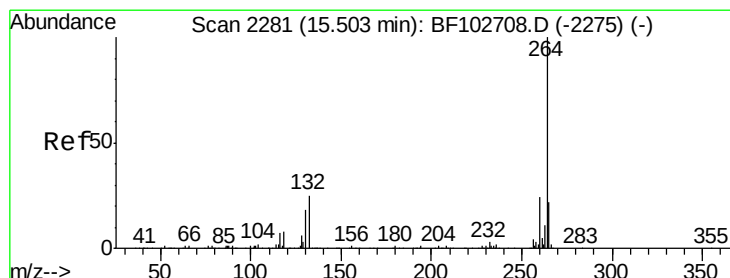
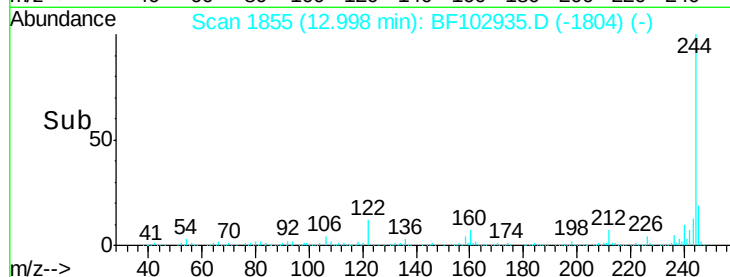
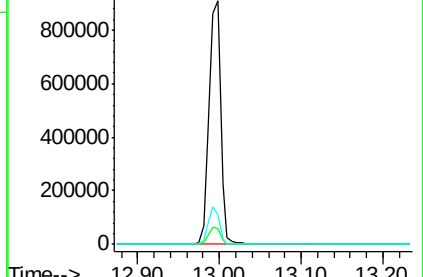
122 12.4 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102935.D

Acq: 12 Feb 2018 22:46

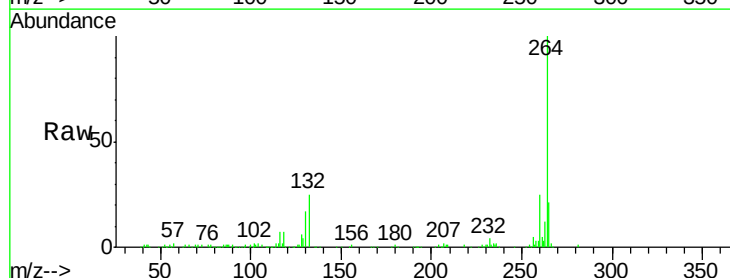
Tgt Ion:264 Resp: 260327

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.1 17.5 26.3



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

