

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\  
 Data File : BF110721.D  
 Acq On : 13 Nov 2018 16:14  
 Operator : JU/SJ  
 Sample : J5910-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-4-D

Quant Time: Nov 13 17:02:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 09 15:13:13 2018  
 Response via : Initial Calibration

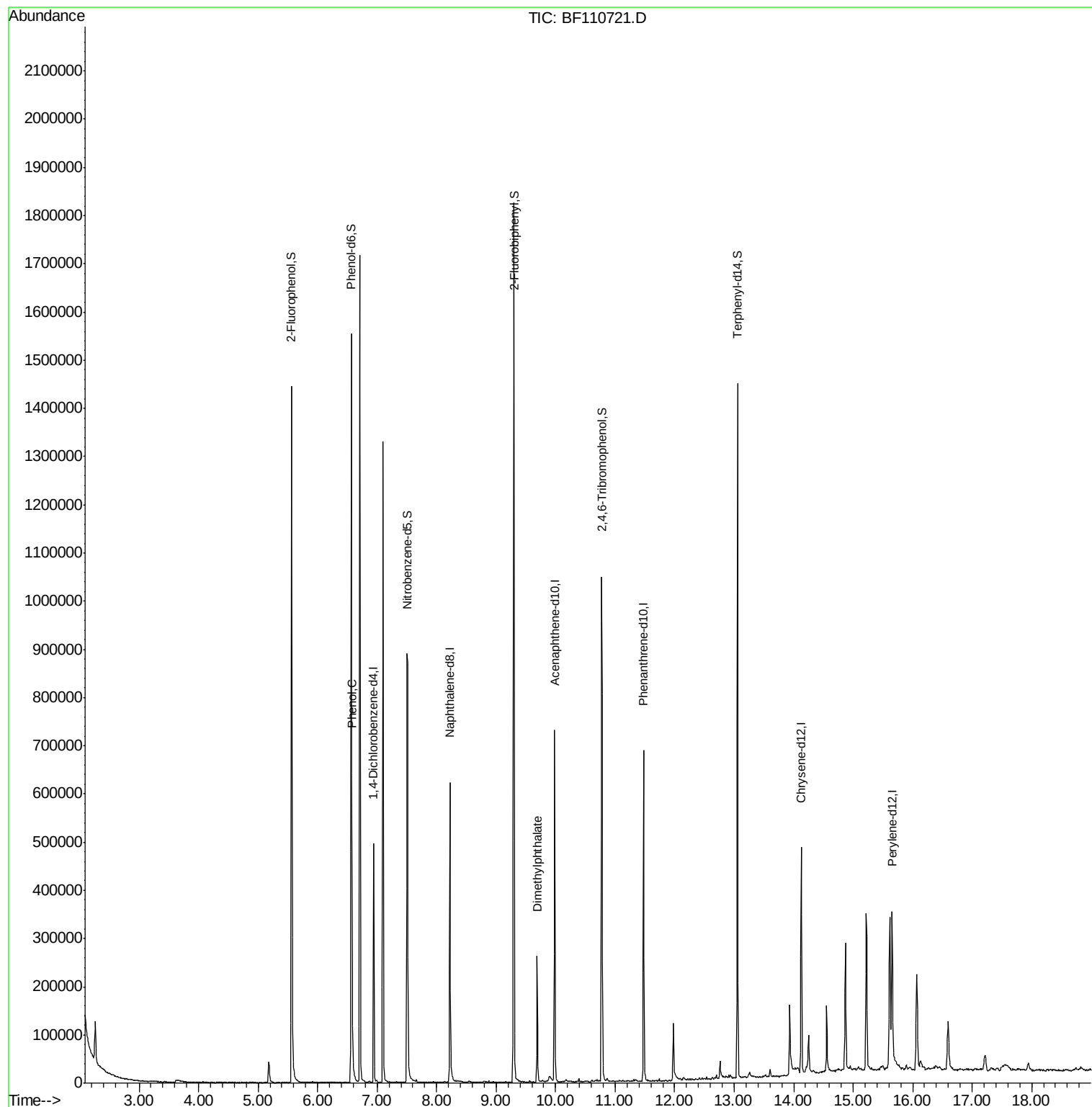
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 79377    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.22  | 136  | 326278   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.98  | 164  | 155529   | 20.00  | ng    | -0.01       |
| 64) Phenanthrene-d10        | 11.48 | 188  | 283704   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 14.13 | 240  | 157003   | 20.00  | ng    | -0.01       |
| 87) Perylene-d12            | 15.66 | 264  | 161363   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.56  | 112  | 416627   | 85.26  | ng    | 0.00        |
| 7) Phenol-d6                | 6.57  | 99   | 524645   | 83.96  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 332912   | 58.76  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 10.77 | 330  | 124803   | 79.64  | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 580454   | 53.30  | ng    | 0.00        |
| 79) Terphenyl-d14           | 13.06 | 244  | 465094   | 55.48  | ng    | -0.01       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.58  | 94   | 27048    | 3.733  | ng    | Qvalue # 71 |
| 50) Dimethylphthalate       | 9.69  | 163  | 116159   | 10.009 | ng    | 99          |

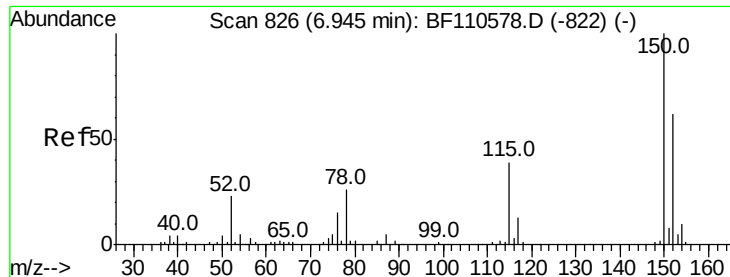
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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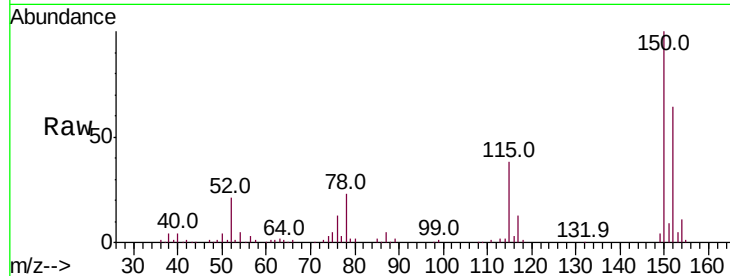


#1

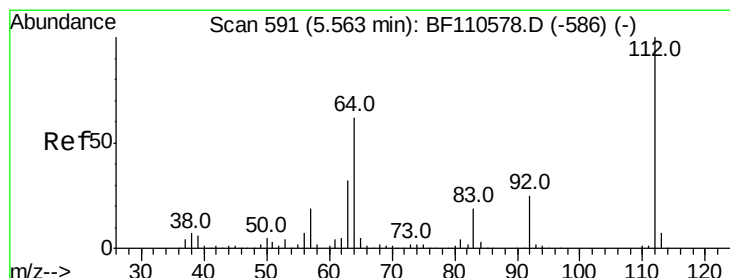
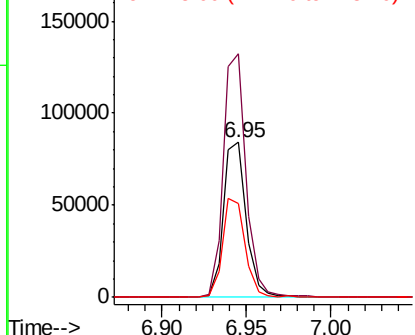
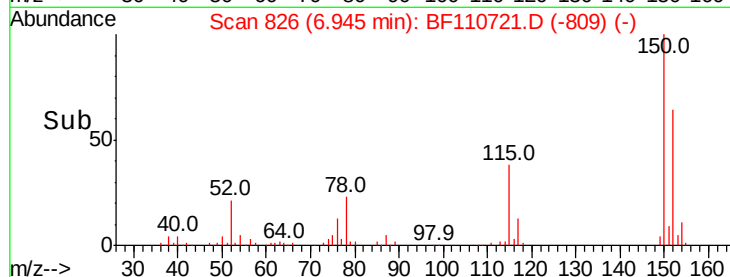
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BF110721.D  
 Acq: 13 Nov 2018 16:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-4-D

Tot Ion:152 Resp: 79377  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 122.7 184.1  
 115 60.2 49.1 73.7



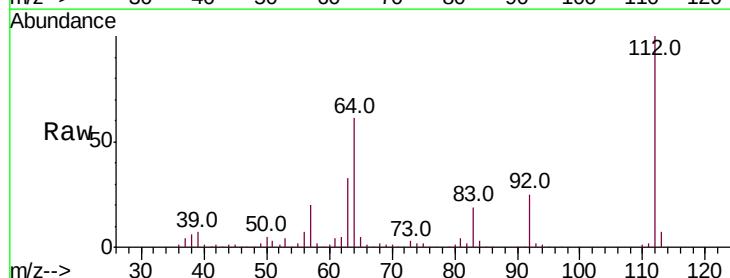
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



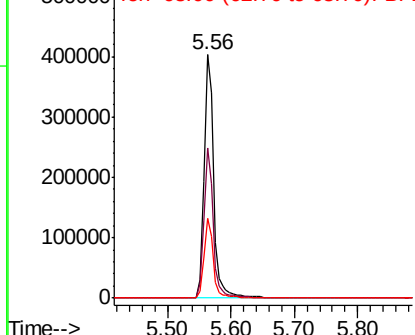
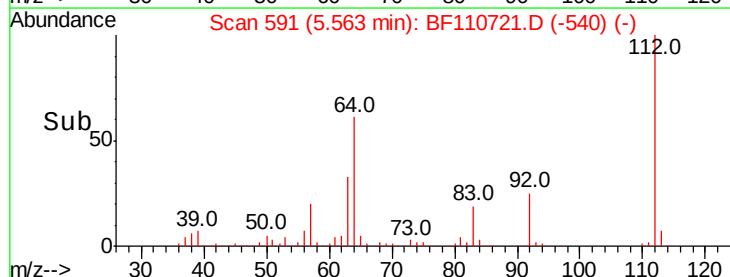
#5

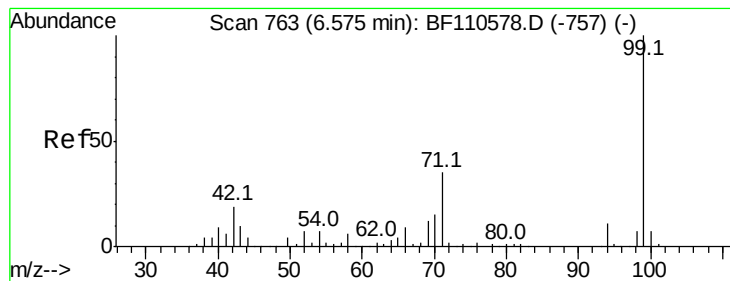
2-Fluorophenol  
 Concen: 85.256 ng  
 RT: 5.56 min Scan# 591  
 Delta R.T. -0.00 min  
 Lab File: BF110721.D  
 Acq: 13 Nov 2018 16:14

Tgt Ion:112 Resp: 416627  
 Ion Ratio Lower Upper  
 112 100  
 64 61.5 44.1 66.1  
 63 32.9 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: 83.956 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

Instrument :

BNA\_F

ClientSampleId :

W-4-D

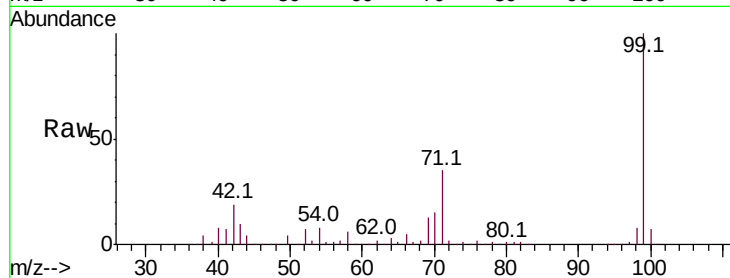
Tot Ion: 99 Resp: 524645

Ion Ratio Lower Upper

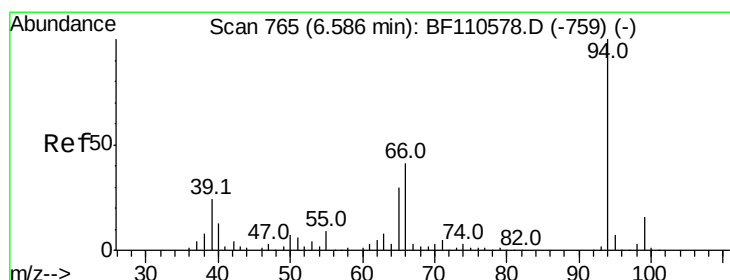
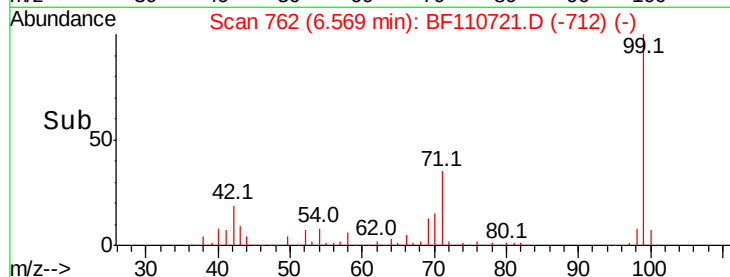
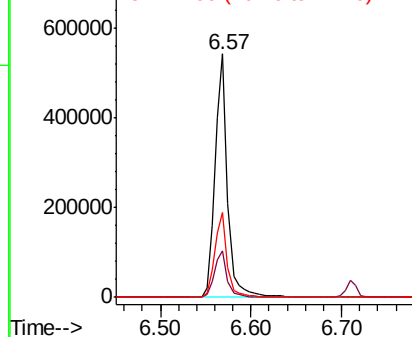
99 100

42 19.1 15.8 23.6

71 35.1 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



#10

Phenol

Concen: 3.733 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

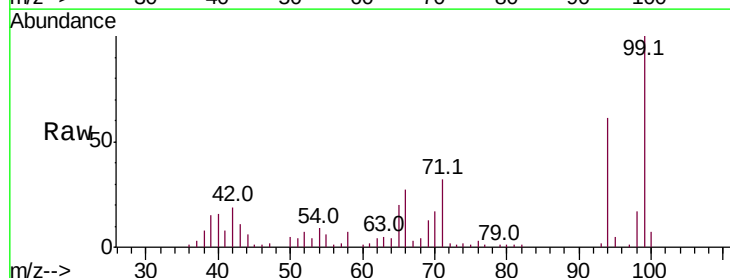
Tgt Ion: 94 Resp: 27048

Ion Ratio Lower Upper

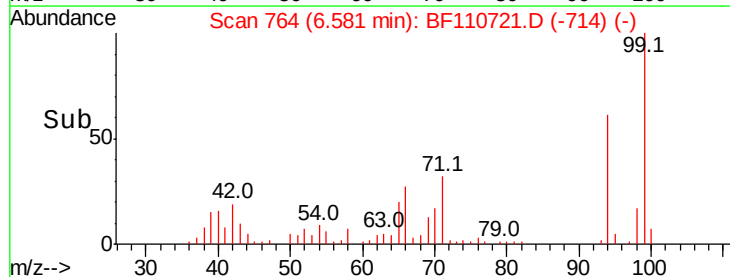
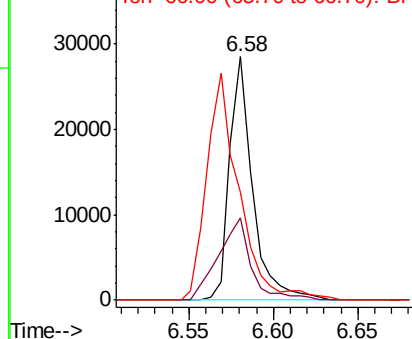
94 100

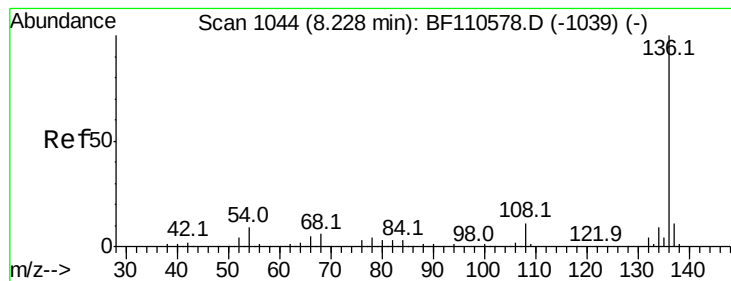
65 33.8 25.3 65.3

66 44.2 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

Instrument :

BNA\_F

ClientSampleId :

W-4-D

Tot Ion:136 Resp: 326278

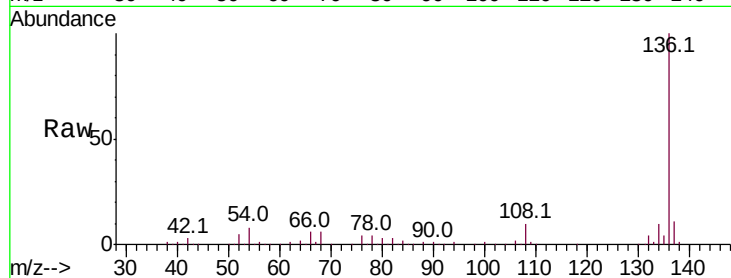
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.4 5.4 8.2#

68 5.6 4.2 6.2

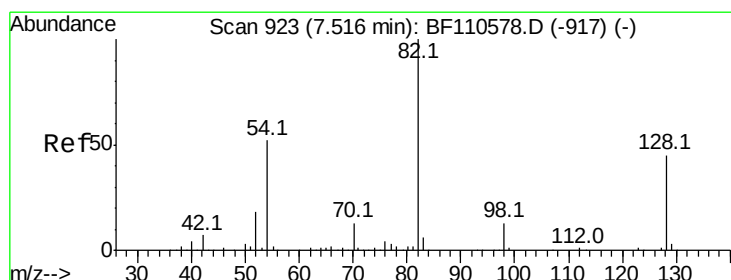
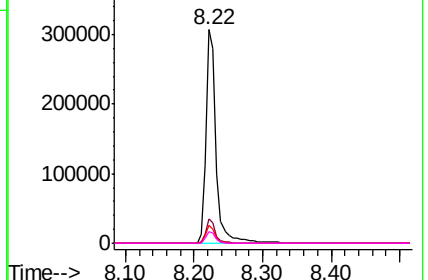
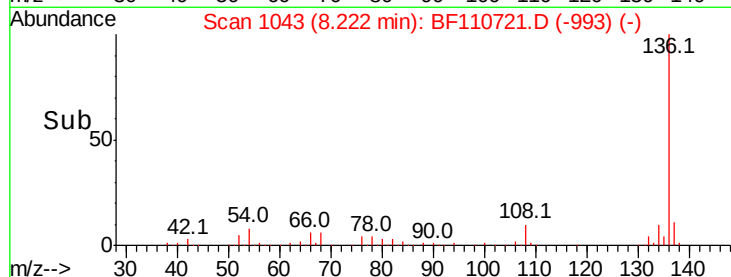


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.760 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

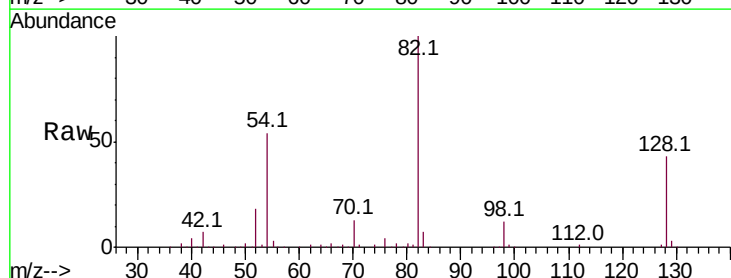
Tgt Ion: 82 Resp: 332912

Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.2

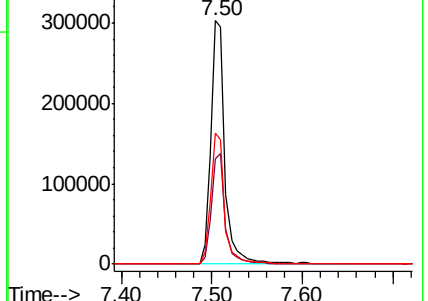
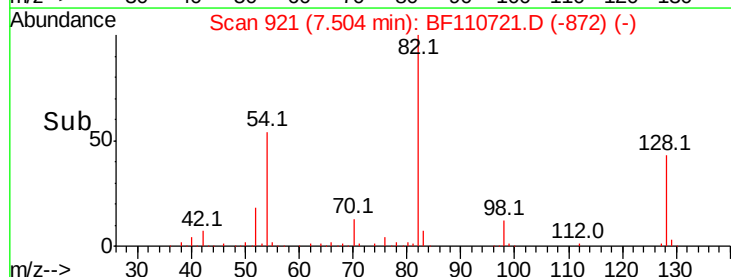
54 53.7 38.6 58.0

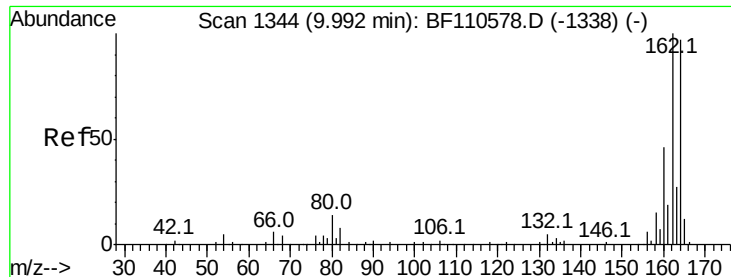


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

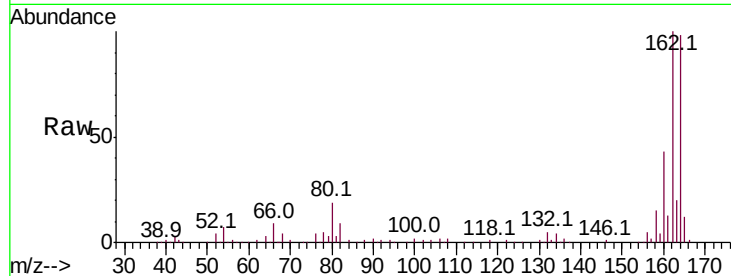




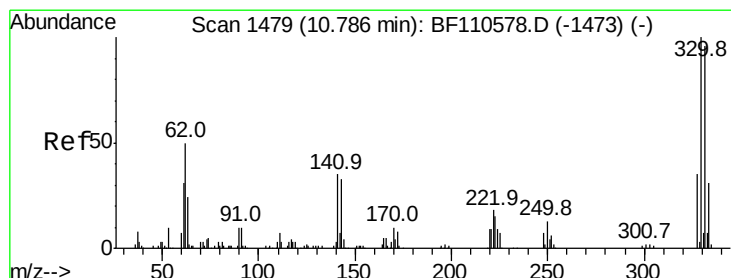
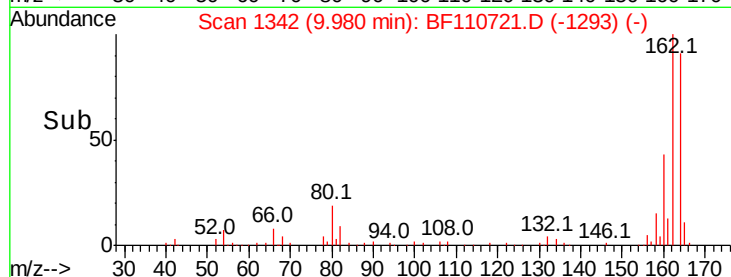
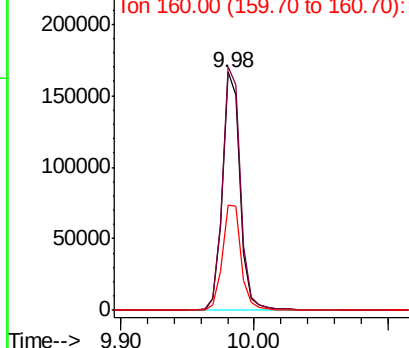
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.01 min  
Lab File: BF110721.D  
Acq: 13 Nov 2018 16:14

Instrument :  
BNA\_F  
ClientSampleId :  
W-4-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.3 | 83.0  | 124.6 |
| 160     | 44.3  | 37.0  | 55.6  |

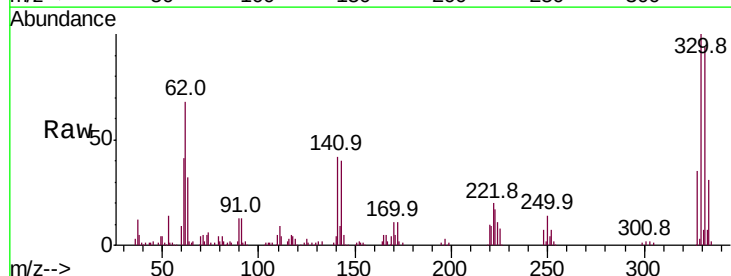


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

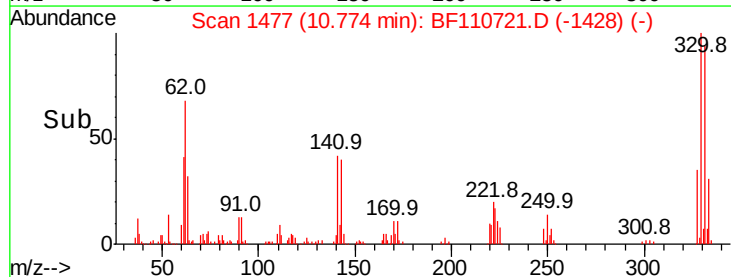
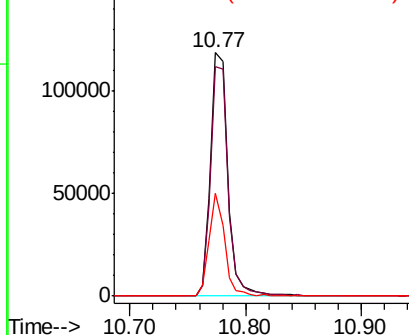


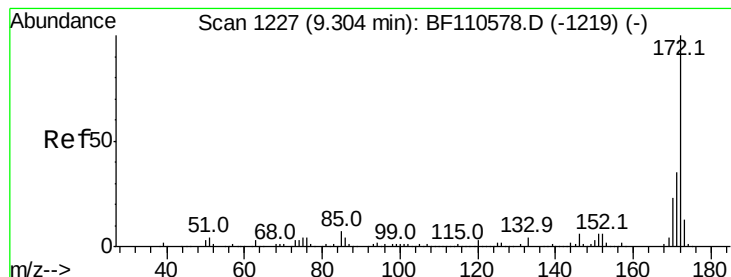
#42  
2,4,6-Tribromophenol  
Concen: 79.637 ng  
RT: 10.77 min Scan# 1477  
Delta R.T. -0.01 min  
Lab File: BF110721.D  
Acq: 13 Nov 2018 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.1  | 115.7 |
| 141     | 37.7  | 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: 53.302 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

Instrument :

BNA\_F

ClientSampleId :

W-4-D

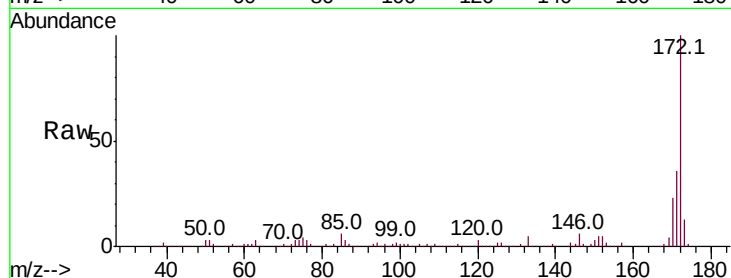
Tot Ion:172 Resp: 580454

Ion Ratio Lower Upper

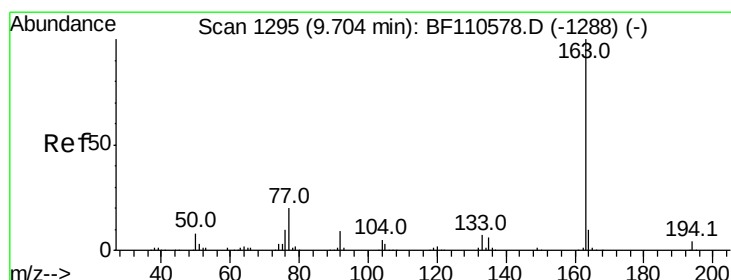
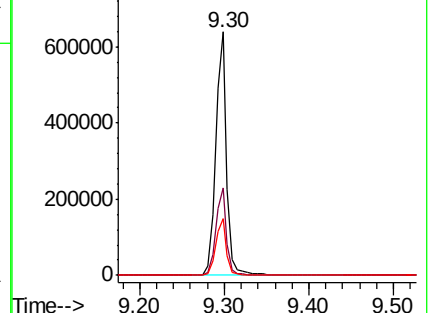
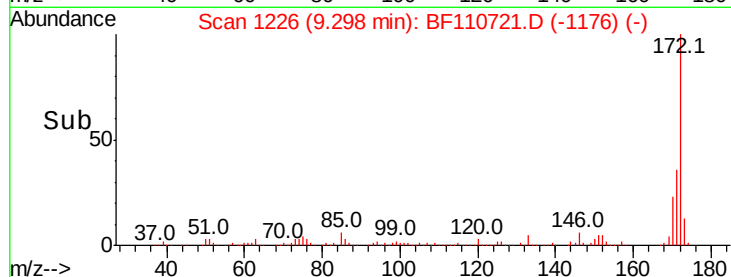
172 100

171 35.7 28.6 43.0

170 23.2 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



#50

Dimethylphthalate

Concen: 10.009 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

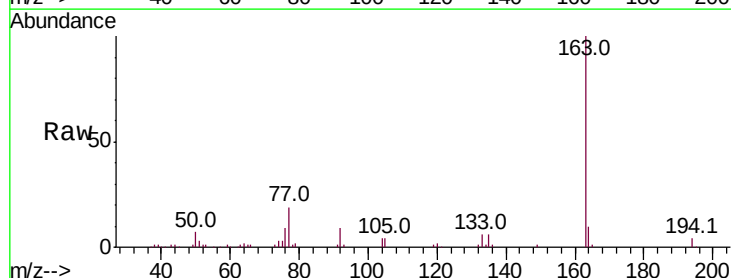
Tgt Ion:163 Resp: 116159

Ion Ratio Lower Upper

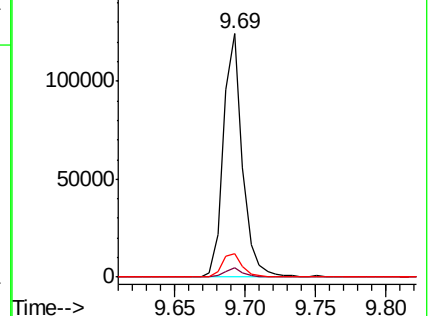
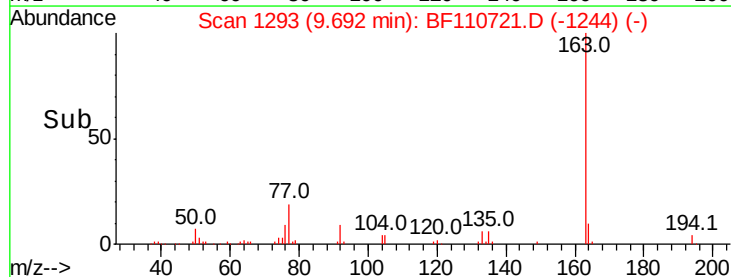
163 100

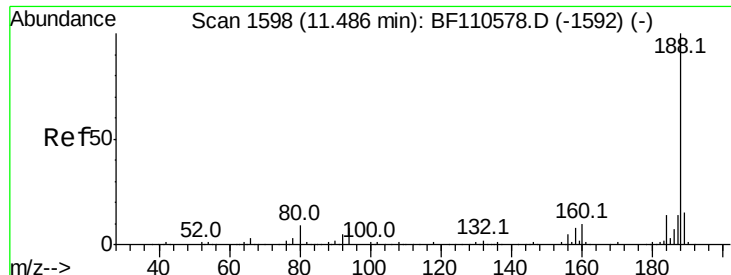
194 3.7 3.2 4.8

164 9.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

Instrument :

BNA\_F

ClientSampleId :

W-4-D

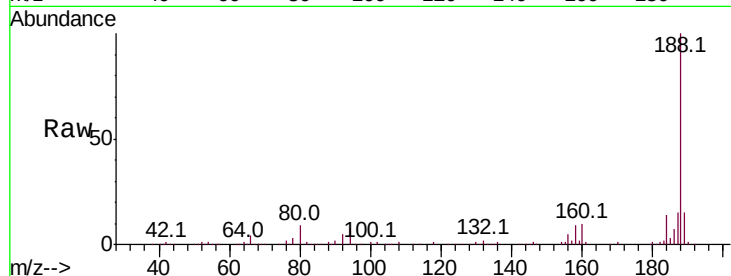
Tot Ion:188 Resp: 283704

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

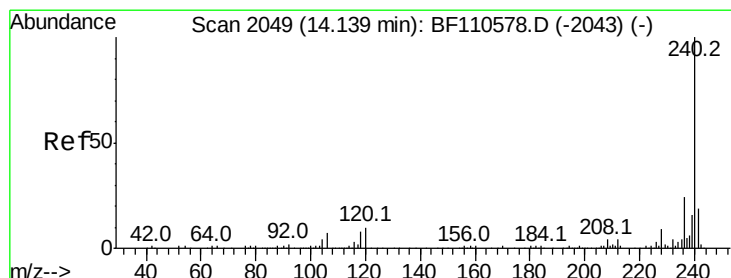
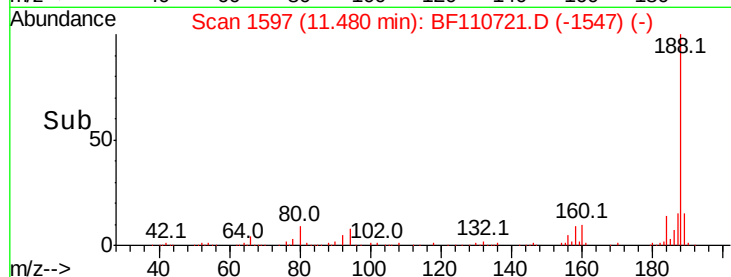
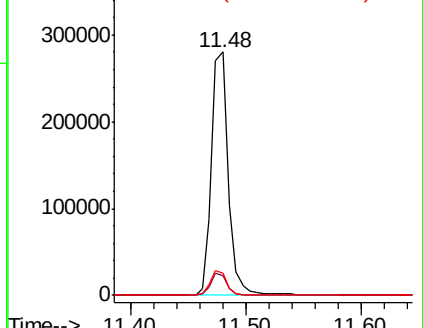
80 8.9 7.9 11.9



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# 2047

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

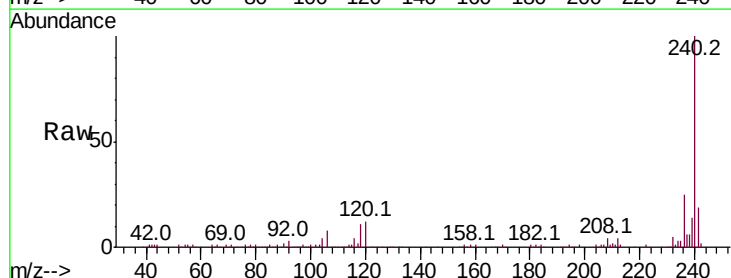
Tgt Ion:240 Resp: 157003

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

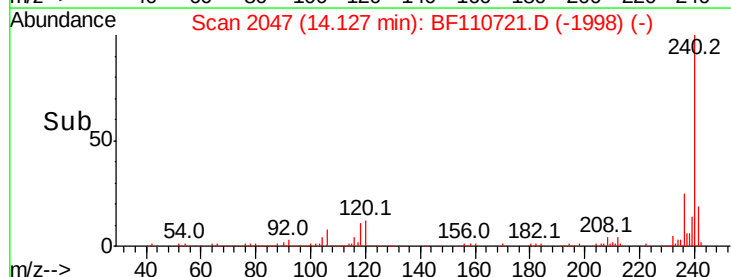
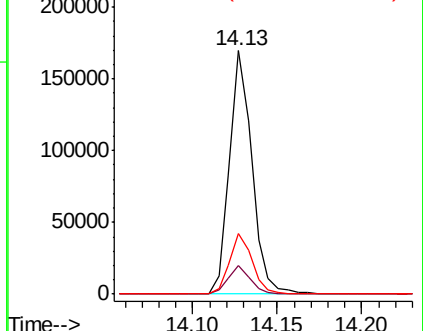
236 25.1 21.2 31.8



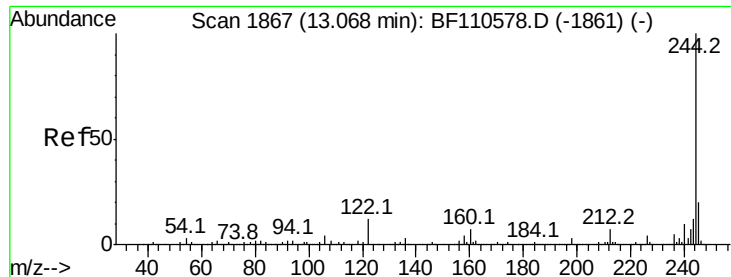
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 55.477 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110721.D

Acq: 13 Nov 2018 16:14

Instrument :

BNA\_F

ClientSampleId :

W-4-D

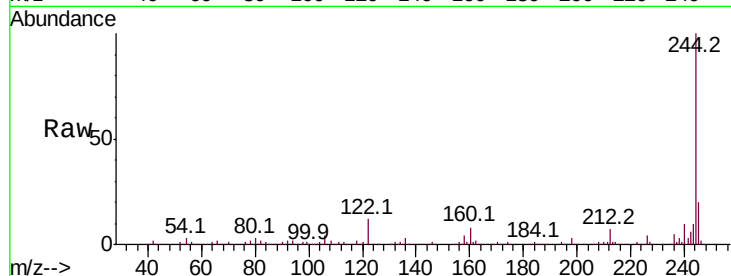
Tot Ion:244 Resp: 465094

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

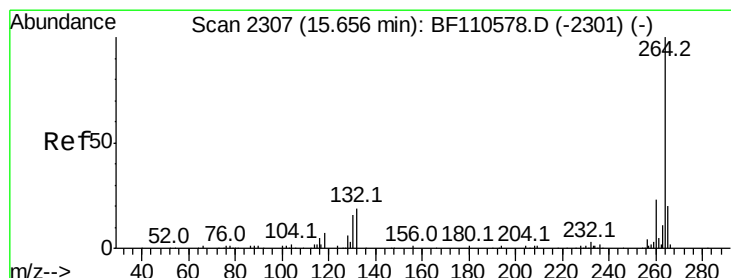
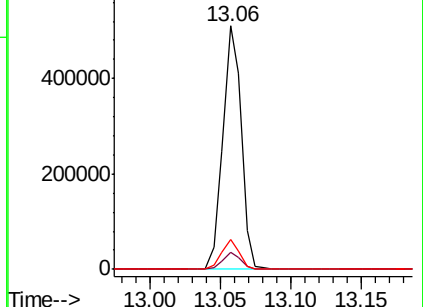
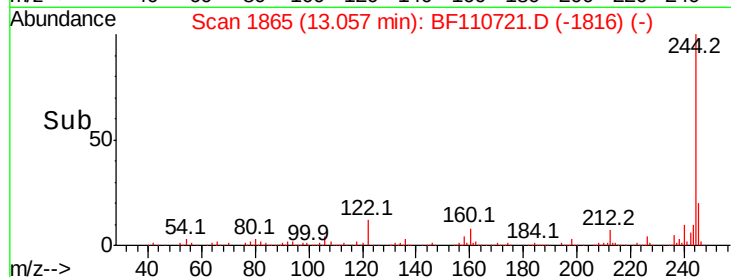
122 12.2 8.7 13.1



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: BF110721.D

Acq: 13 Nov 2018 16:14

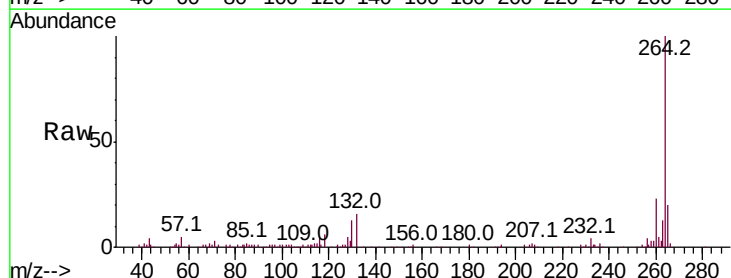
Tgt Ion:264 Resp: 161363

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

265 20.0 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

