

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\  
 Data File : BF101180.D  
 Acq On : 6 Dec 2017 20:53  
 Operator : SJ/JU  
 Sample : I6741-01 20X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-7

Quant Time: Dec 07 01:01:19 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 04 13:07:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 42359    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 147758   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 66179    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 107110   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 87958    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.50 | 264  | 90915    | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 11307    | 4.41  | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 13518    | 4.34  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 8202     | 3.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 2311     | 2.91  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 19807    | 4.09  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 15274    | 3.80  | ng    | 0.00     |

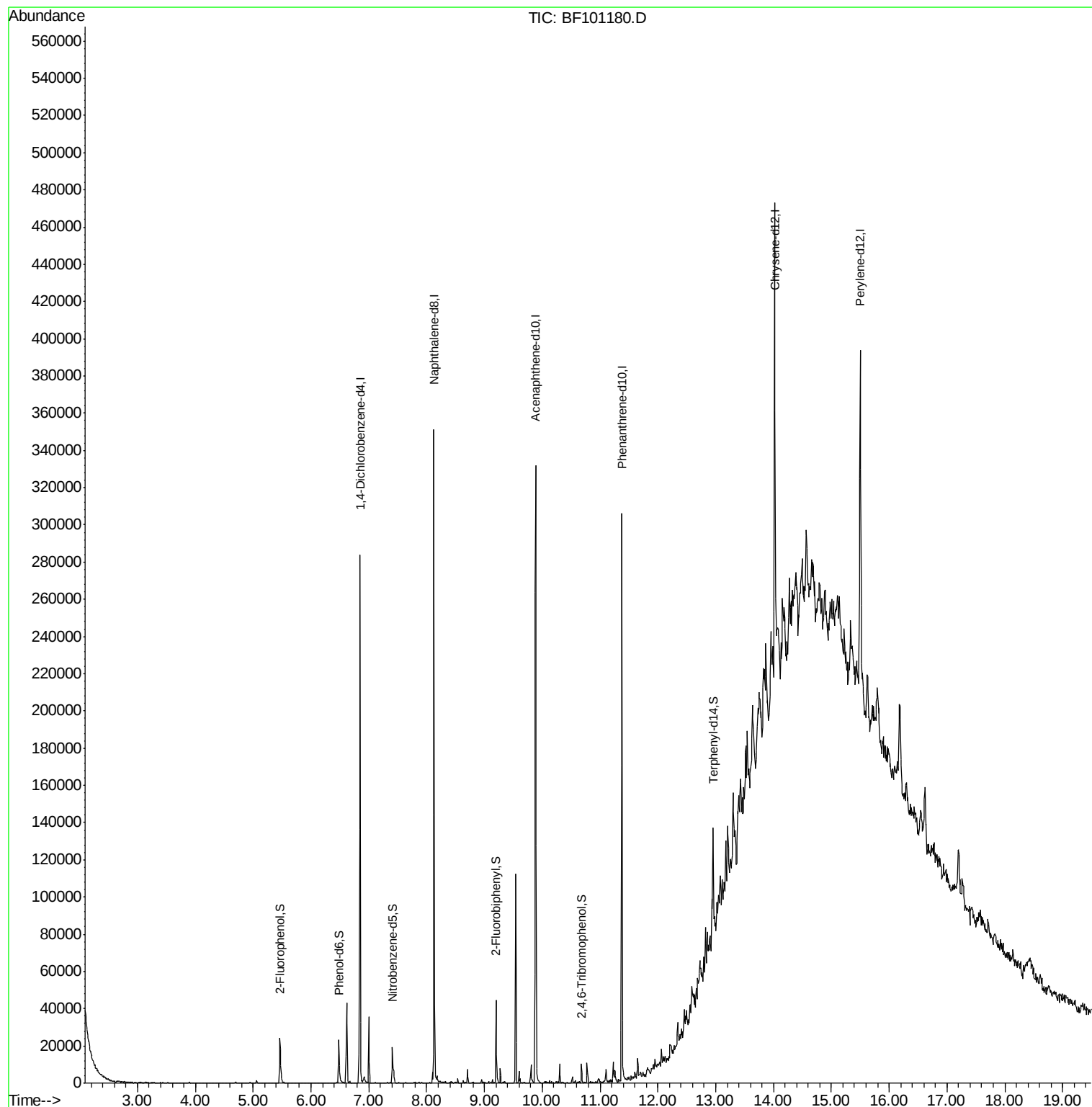
Target Compounds Qvalue

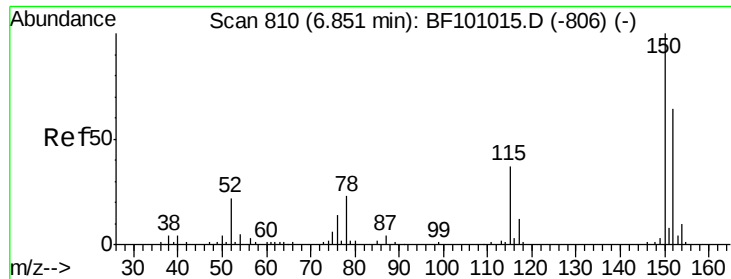
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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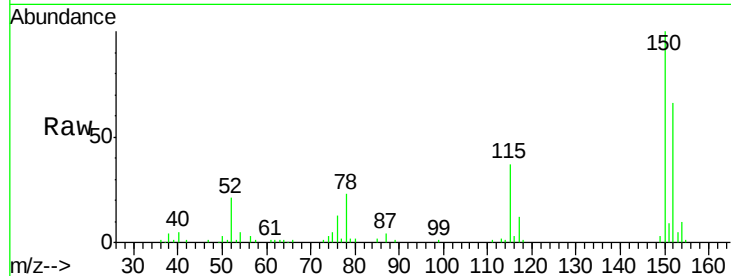


#1

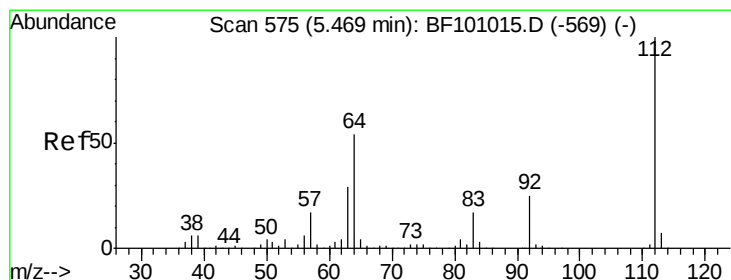
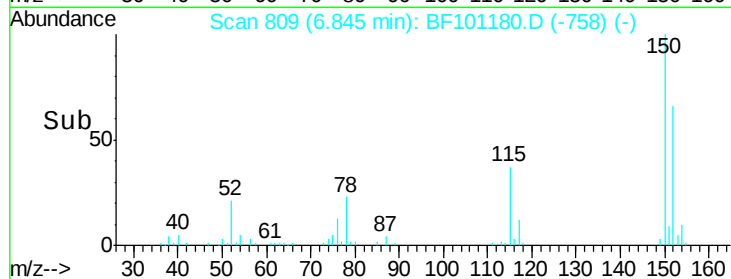
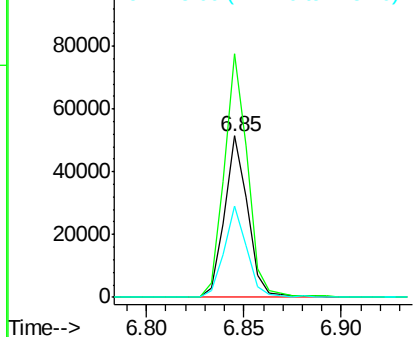
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF101180.D  
Acq: 6 Dec 2017 20:53

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-7

Tot Ion:152 Resp: 42359  
Ion Ratio Lower Upper  
152 100  
150 150.8 124.6 186.8  
115 56.3 50.1 75.1



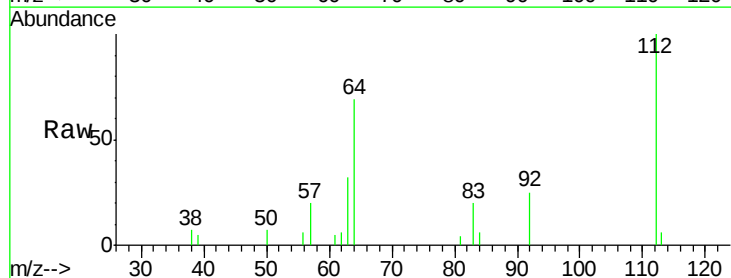
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



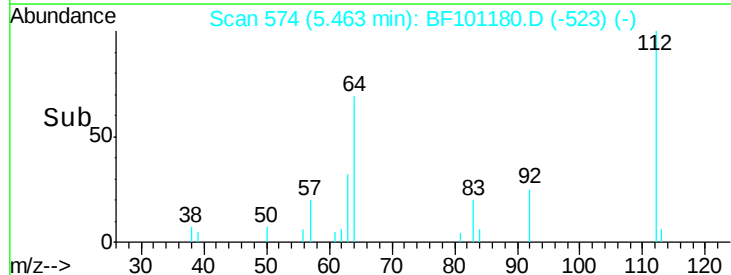
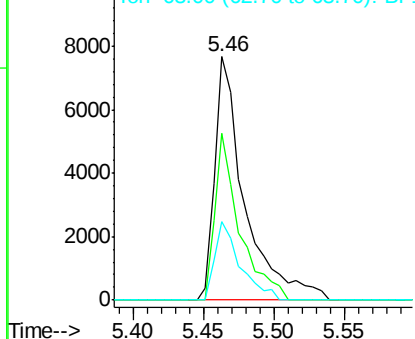
#5

2-Fluorophenol  
Concen: 4.411 ng  
RT: 5.46 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BF101180.D  
Acq: 6 Dec 2017 20:53

Tgt Ion:112 Resp: 11307  
Ion Ratio Lower Upper  
112 100  
64 68.5 47.9 71.9  
63 32.3 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: 4.344 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-7

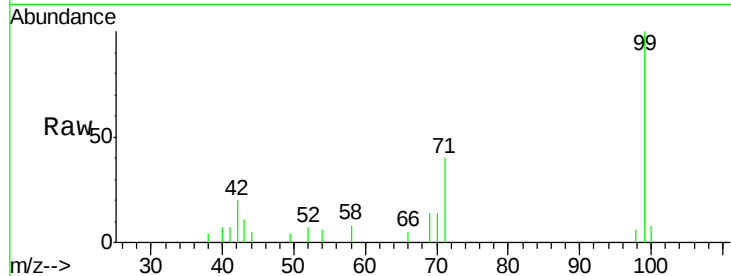
Tot Ion: 99 Resp: 13518

Ion Ratio Lower Upper

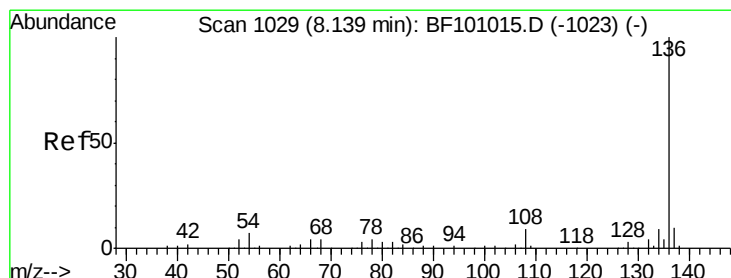
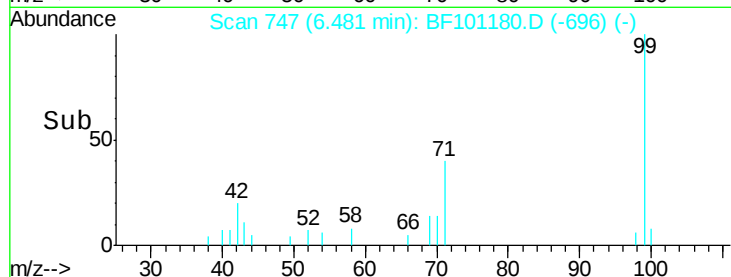
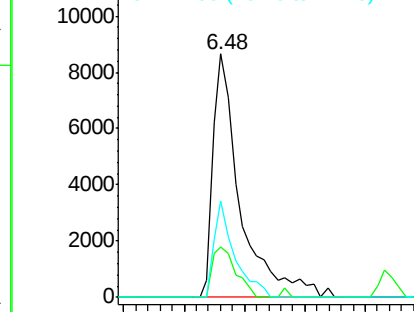
99 100

42 20.4 14.5 21.7

71 39.7 25.4 38.0#



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

Tgt Ion: 136 Resp: 147758

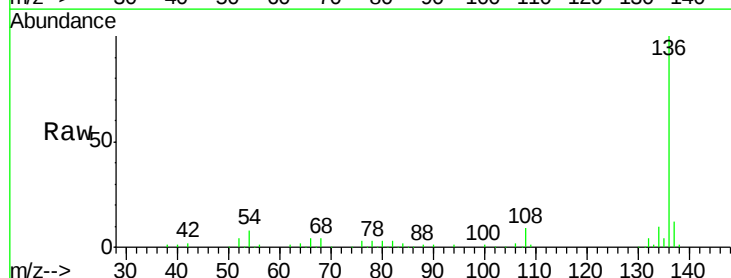
Ion Ratio Lower Upper

136 100

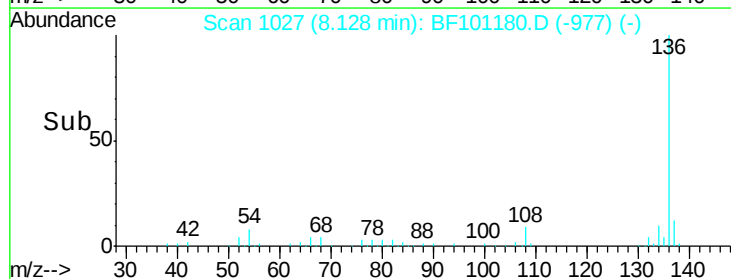
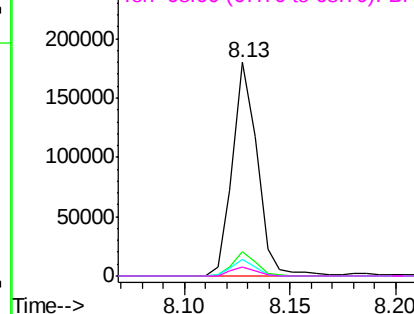
137 11.5 8.9 13.3

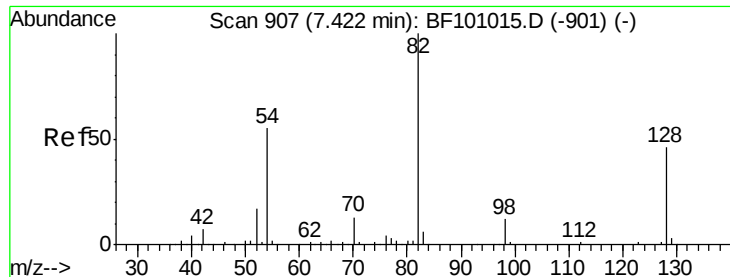
54 8.0 6.6 9.8

68 4.4 5.0 7.4#



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

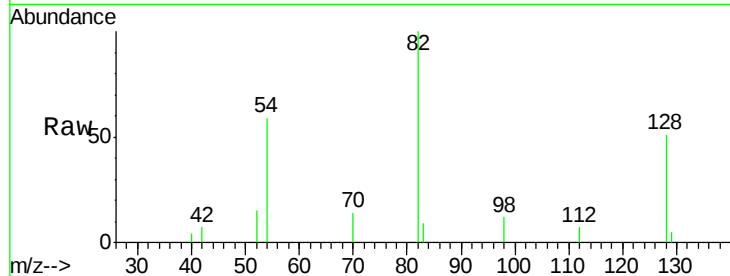




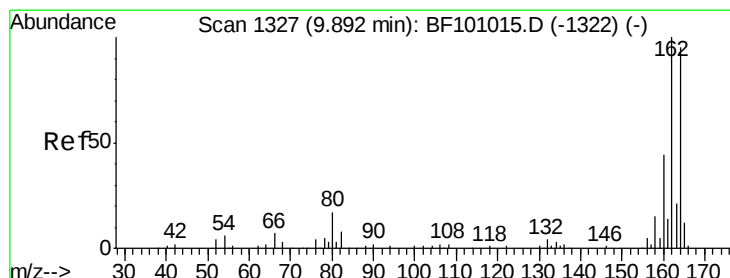
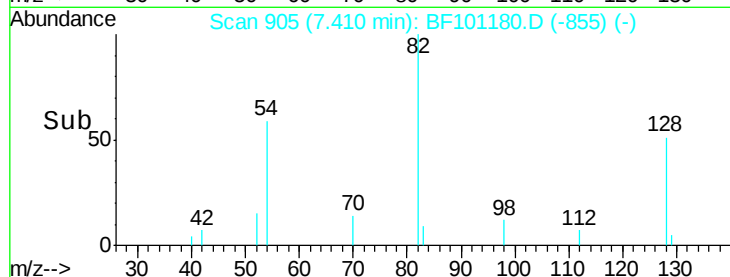
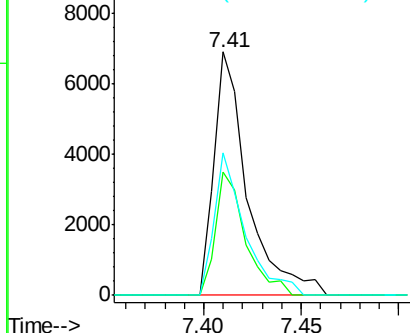
#23  
Nitrobenzene-d5  
Concen: 3.311 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF101180.D  
Acq: 6 Dec 2017 20:53

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-7

Tot Ion: 82 Resp: 8202  
Ion Ratio Lower Upper  
82 100  
128 50.8 36.1 54.1  
54 58.7 41.4 62.2

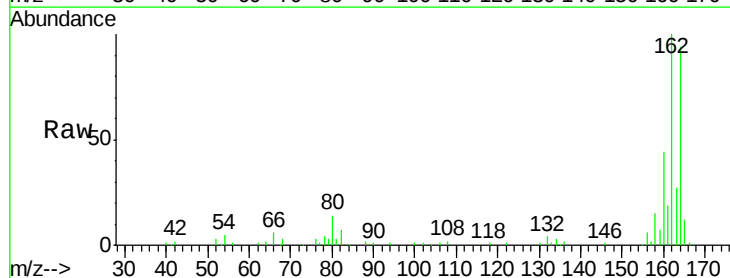


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

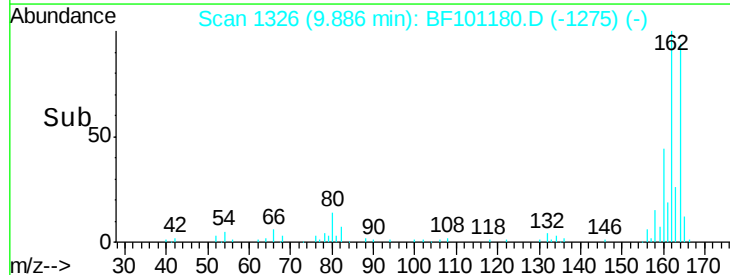
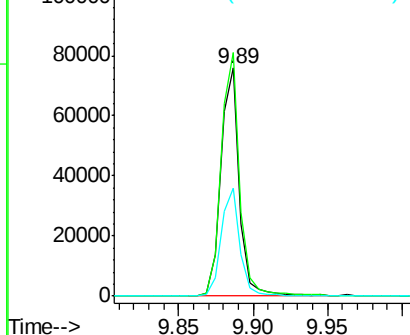


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF101180.D  
Acq: 6 Dec 2017 20:53

Tgt Ion: 164 Resp: 66179  
Ion Ratio Lower Upper  
164 100  
162 106.8 86.1 129.1  
160 47.4 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 2.907 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-7

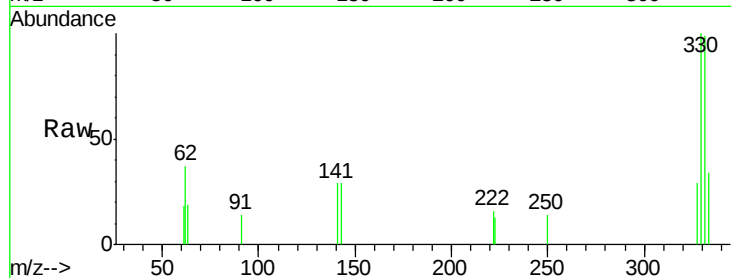
Tot Ion:330 Resp: 2311

Ion Ratio Lower Upper

330 100

332 92.3 77.0 115.6

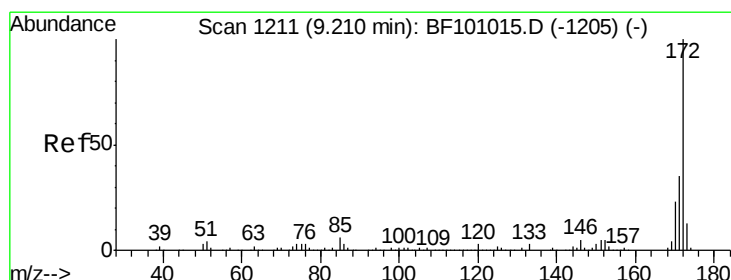
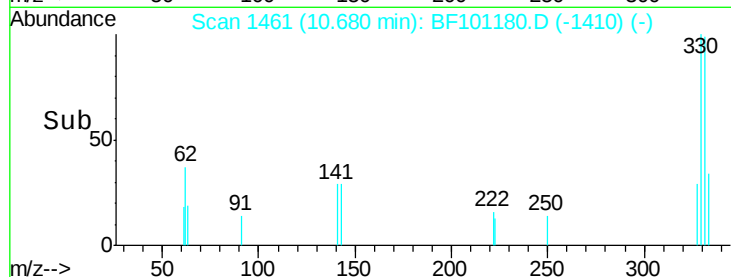
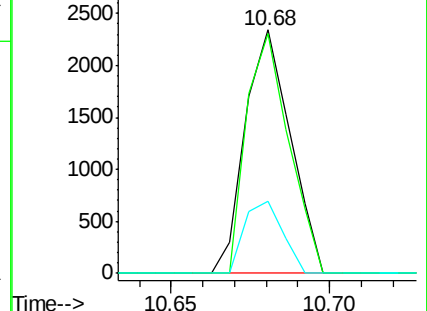
141 24.6 29.9 44.9#



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: 4.095 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

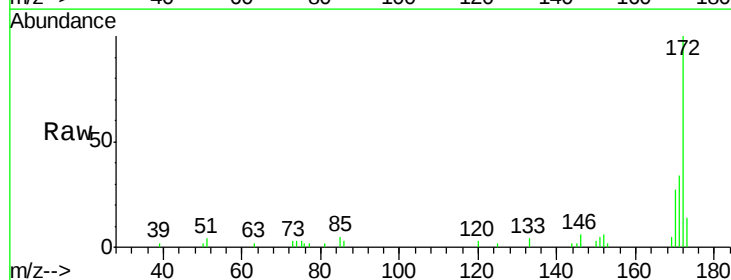
Tgt Ion:172 Resp: 19807

Ion Ratio Lower Upper

172 100

171 34.1 29.7 44.5

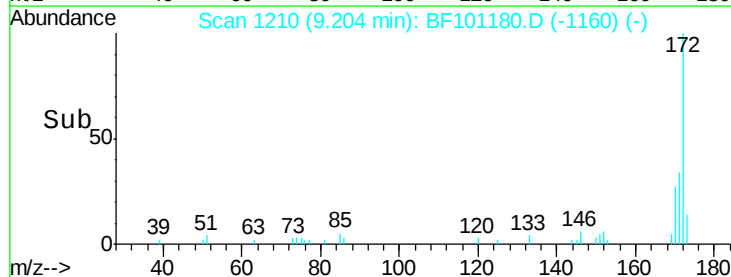
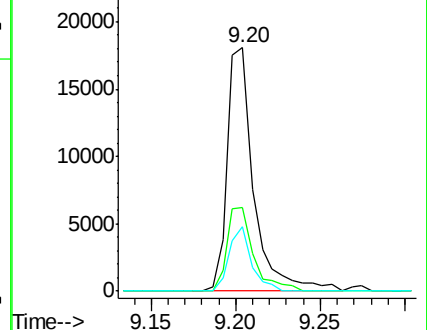
170 26.7 19.6 29.4

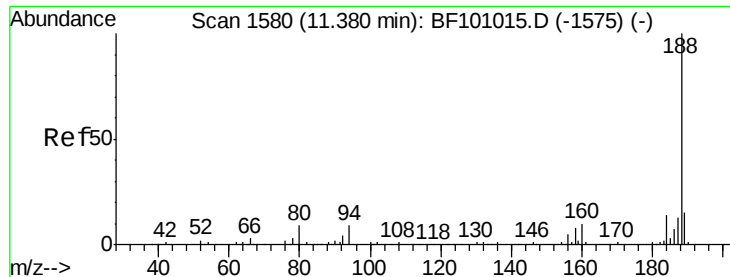


Abundance Ion 172.00 (171.70 to 172.70): E

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: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-7

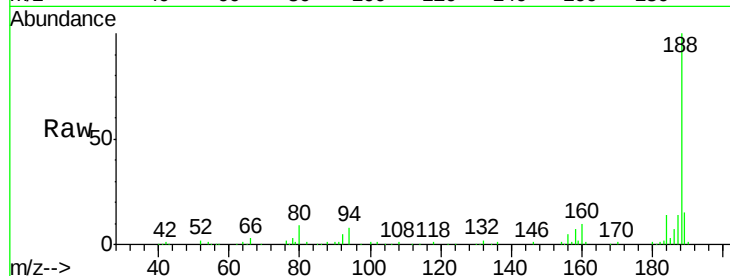
Tot Ion:188 Resp: 107110

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

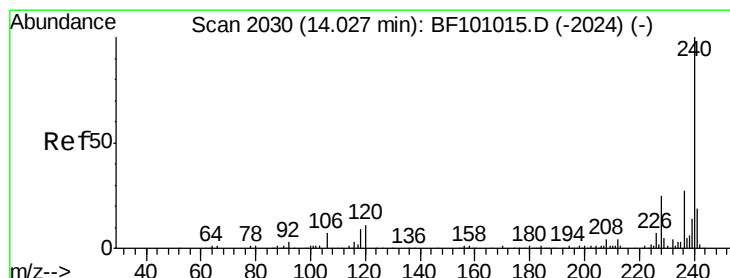
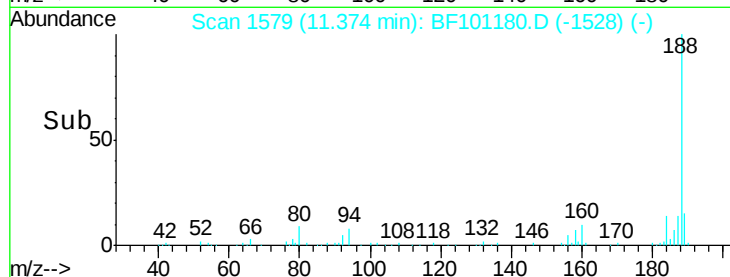
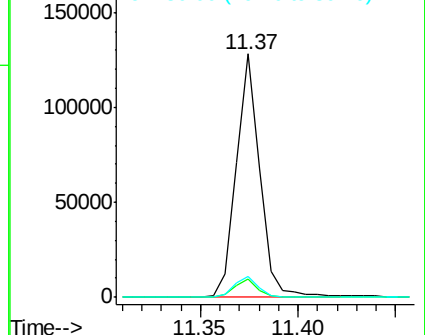
80 8.5 9.2 13.8#



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: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

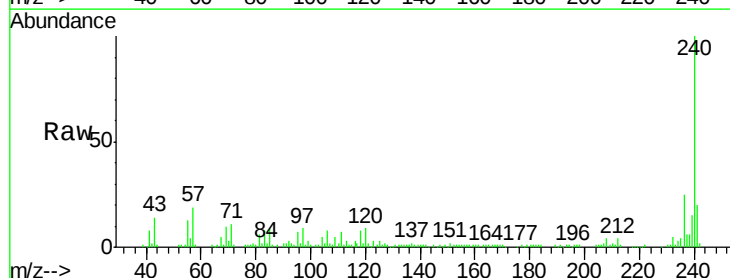
Tgt Ion:240 Resp: 87958

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

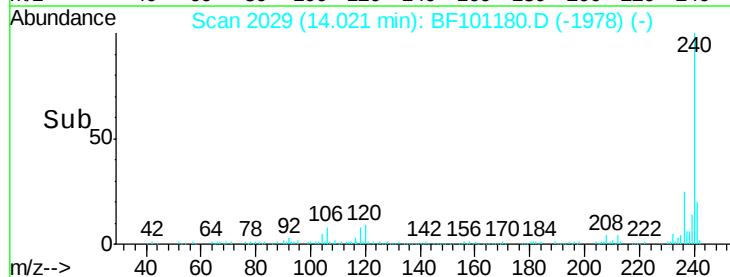
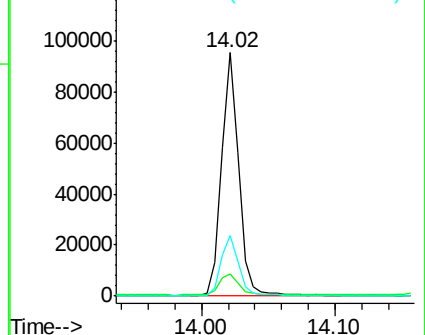
236 25.0 20.7 31.1

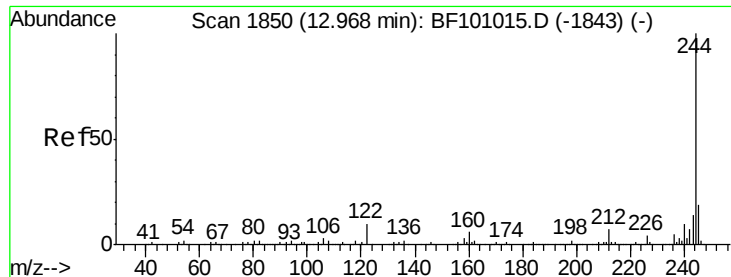


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 3.798 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-7

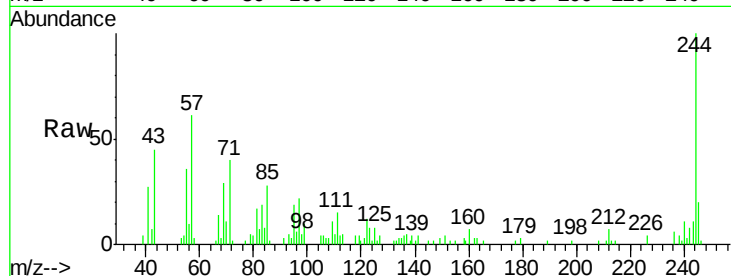
Tot Ion:244 Resp: 15274

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

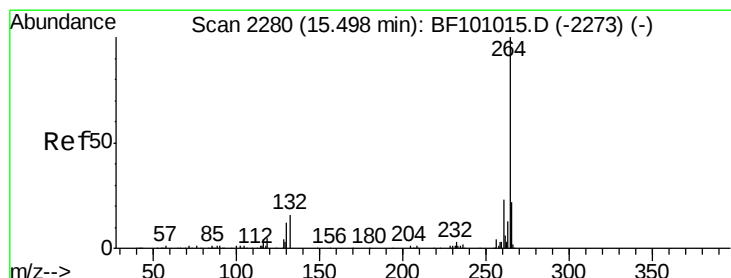
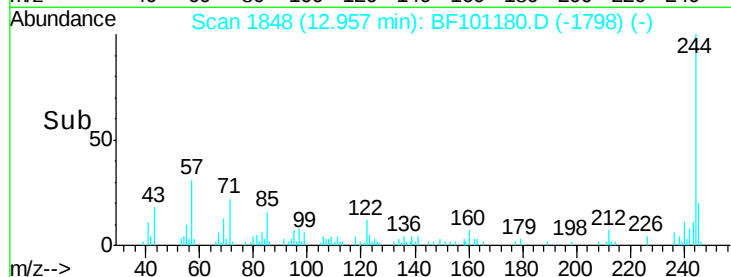
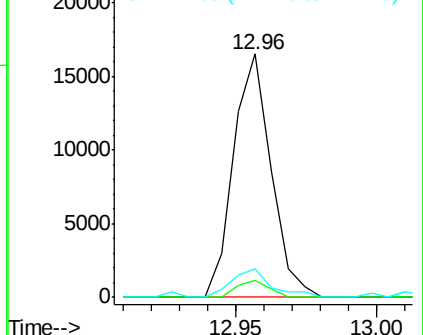
122 11.6 11.0 16.4



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: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF101180.D

Acq: 6 Dec 2017 20:53

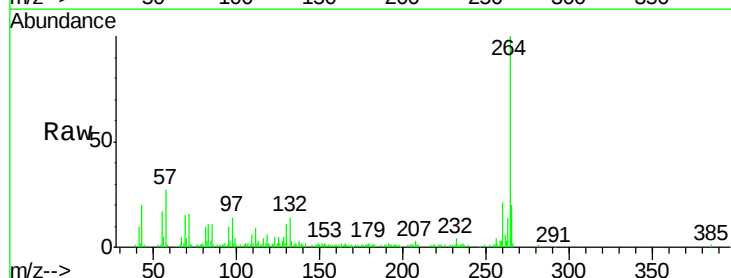
Tgt Ion:264 Resp: 90915

Ion Ratio Lower Upper

264 100

260 21.5 19.2 28.8

265 20.1 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

