

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\  
 Data File : BF102182.D  
 Acq On : 18 Jan 2018 6:49  
 Operator : SJ/JU  
 Sample : J1144-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DS-3

Quant Time: Jan 18 07:47:55 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 17 15:28:18 2018  
 Response via : Initial Calibration

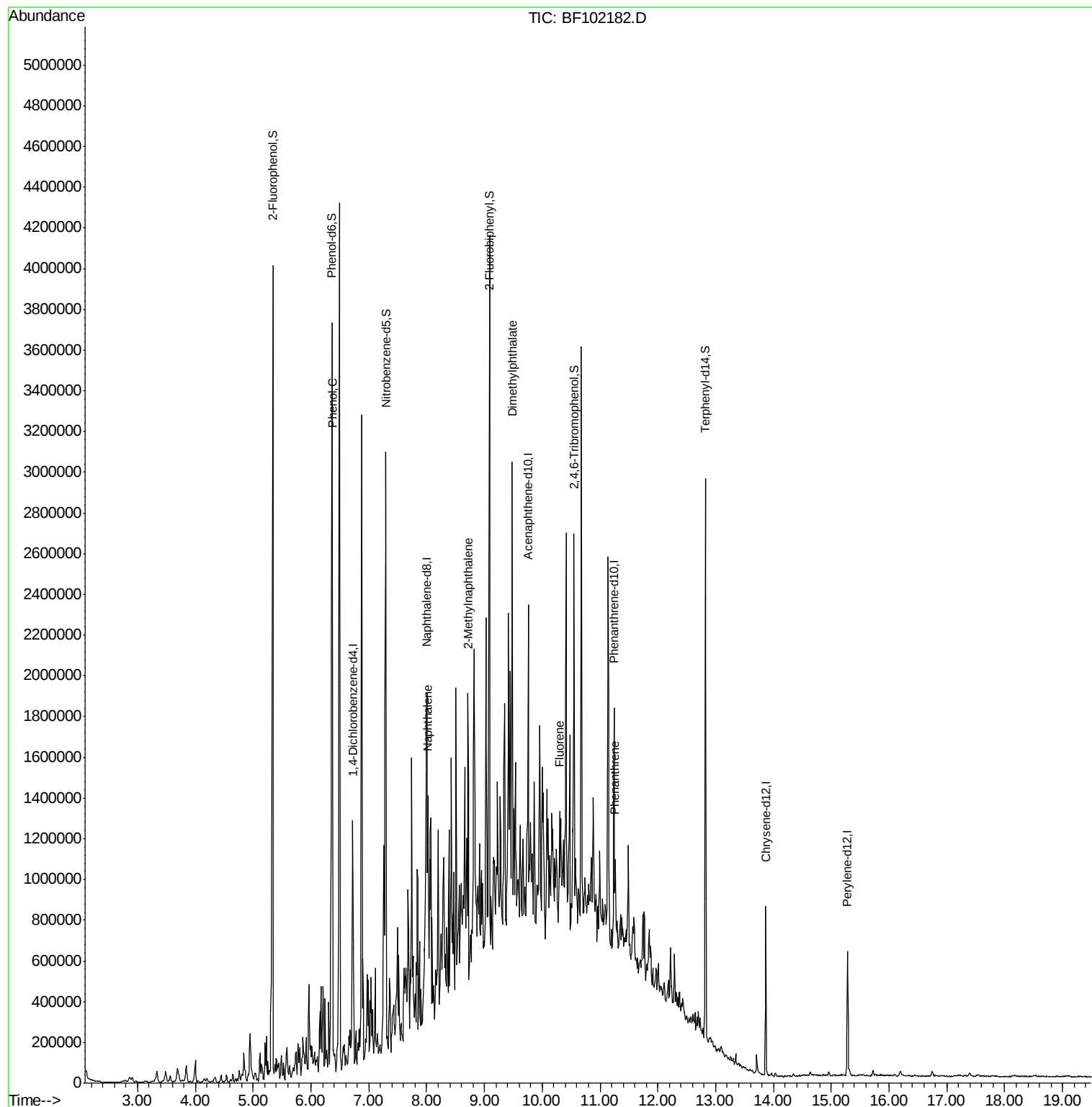
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 161466   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 612885   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.76  | 164  | 251215   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.24 | 188  | 381014   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.86 | 240  | 269269   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.28 | 264  | 267029   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 1347765  | 117.87 | ng    | 0.02     |
| 7) Phenol-d6                | 6.36  | 99   | 1618533  | 118.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 965039   | 92.53  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 267814   | 122.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1306444  | 81.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 910464   | 70.20  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.37  | 94   | 68741    | 4.459  | ng    | 98       |
| 31) Naphthalene             | 8.02  | 128  | 276284   | 9.022  | ng    | # 95     |
| 37) 2-Methylnaphthalene     | 8.72  | 142  | 383840   | 19.039 | ng    | 97       |
| 49) Dimethylphthalate       | 9.47  | 163  | 201617   | 10.005 | ng    | # 99     |
| 57) Fluorene                | 10.30 | 166  | 65124    | 4.139  | ng    | # 91     |
| 70) Phenanthrene            | 11.26 | 178  | 130374   | 5.858  | ng    | 98       |

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

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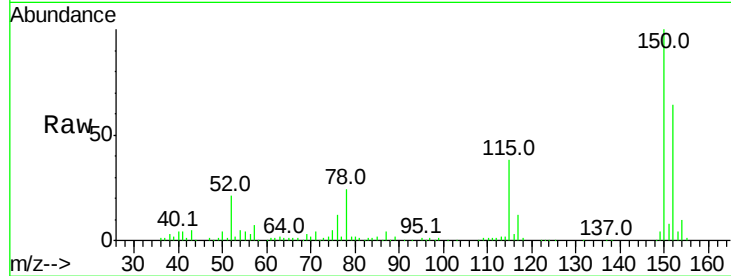


#1

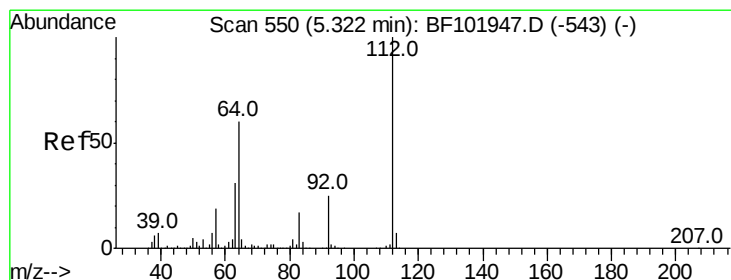
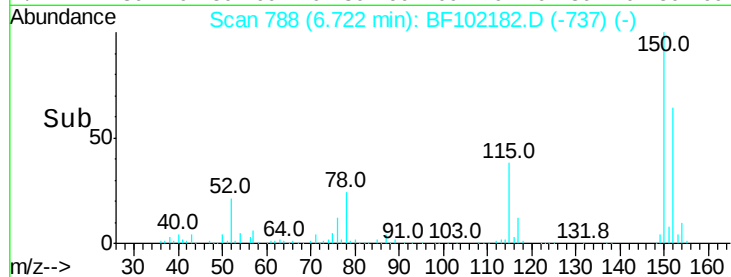
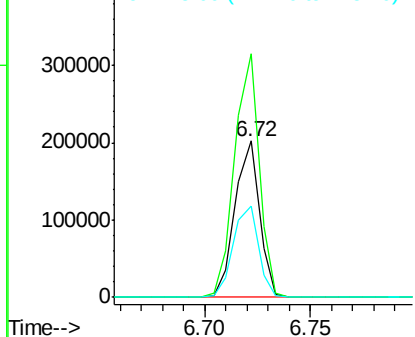
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. 0.00 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tot Ion:152 Resp: 161466  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 124.6 186.8  
 115 58.8 50.1 75.1



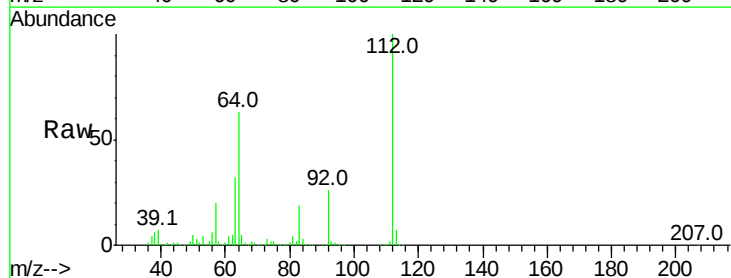
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



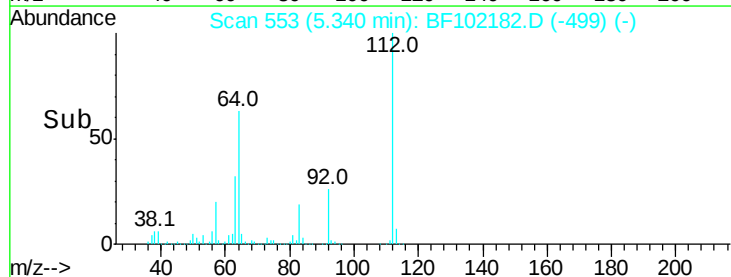
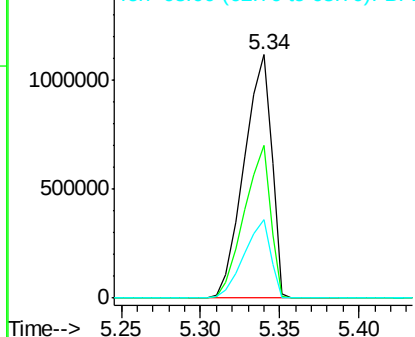
#5

2-Fluorophenol  
 Concen: 117.867 ng  
 RT: 5.34 min Scan# 553  
 Delta R.T. 0.02 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

Tgt Ion:112 Resp: 1347765  
 Ion Ratio Lower Upper  
 112 100  
 64 62.9 47.9 71.9  
 63 32.2 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: 118.638 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA\_F

ClientSampleId :

DS-3

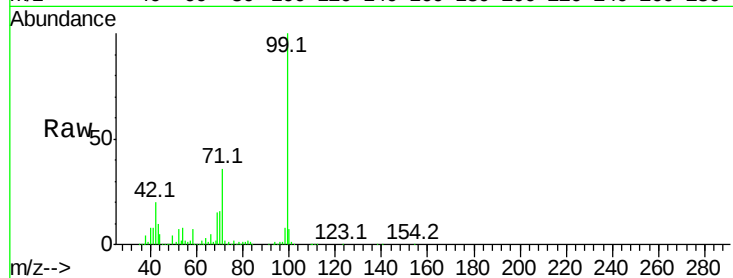
Tot Ion: 99 Resp: 1618533

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

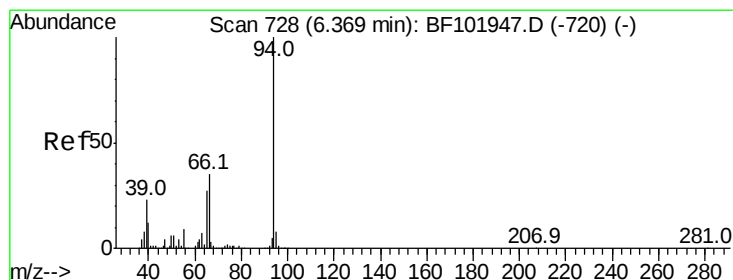
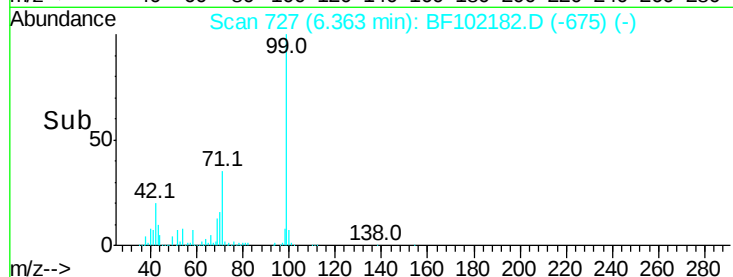
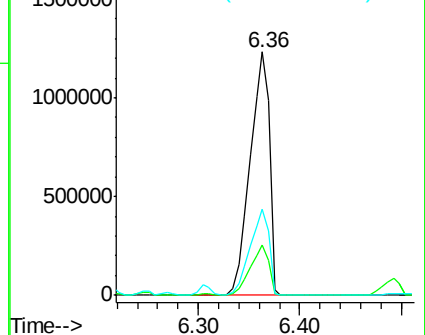
71 35.5 25.4 38.0



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



#10

Phenol

Concen: 4.459 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

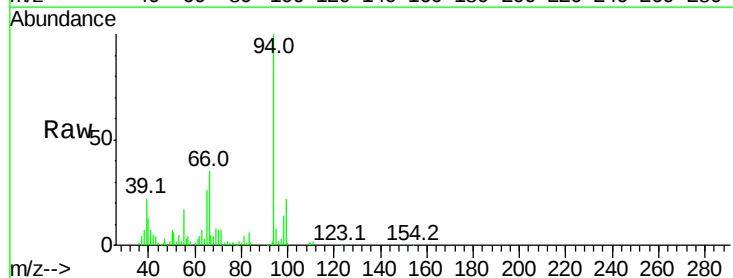
Tgt Ion: 94 Resp: 68741

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

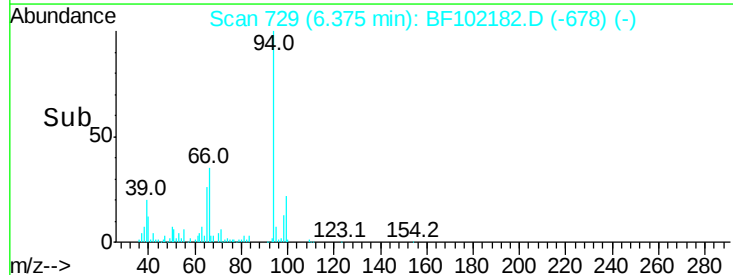
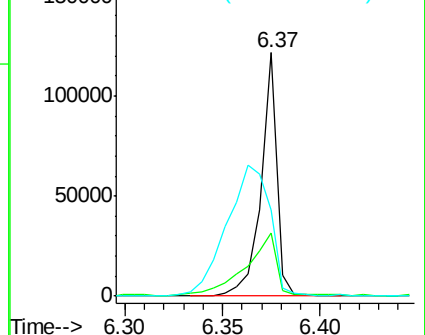
66 35.4 16.2 56.2

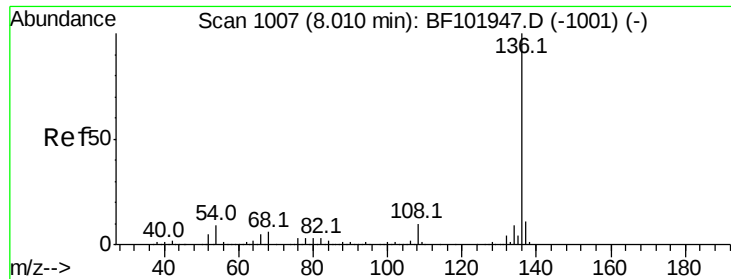


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA\_F

ClientSampleId :

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Tot Ion:136 Resp: 612885

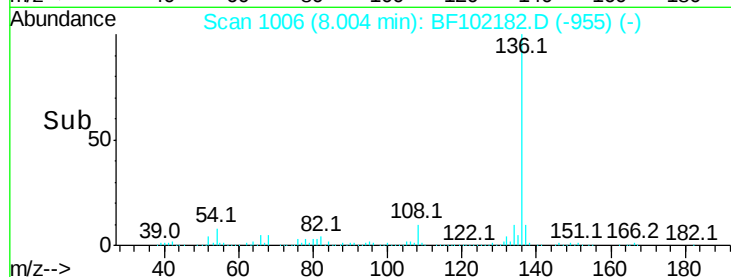
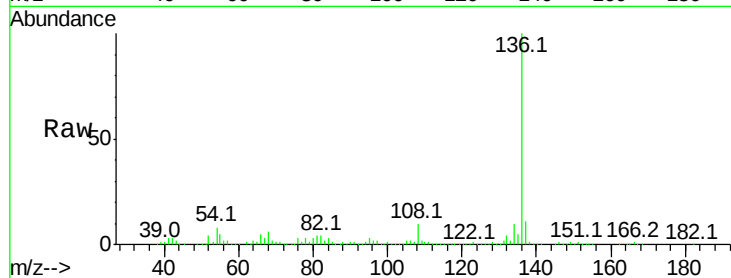
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.9 6.6 9.8

68 5.6 5.0 7.4

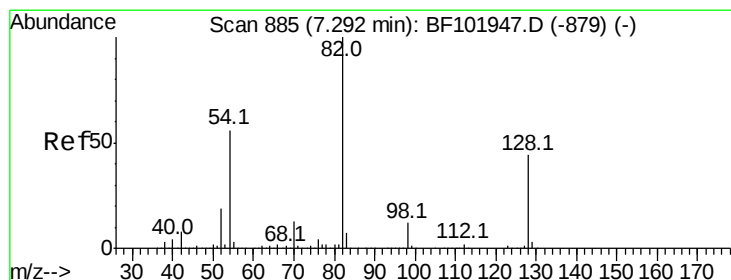
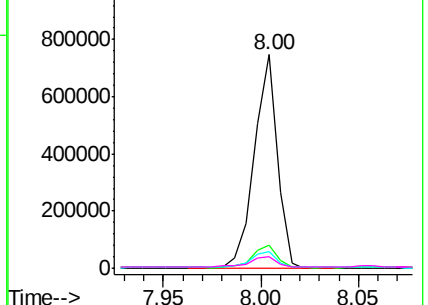


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.529 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

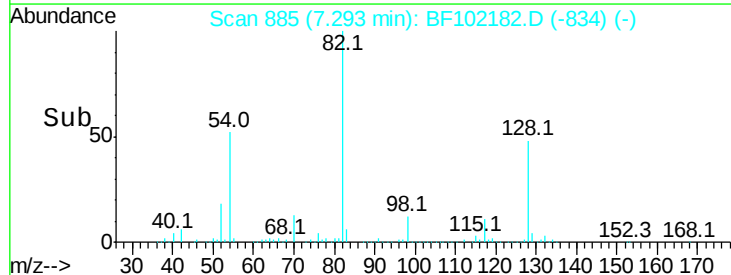
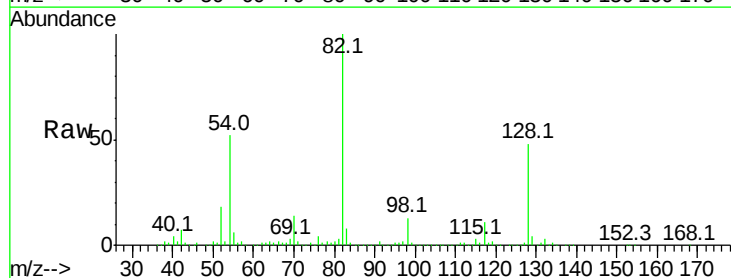
Tgt Ion: 82 Resp: 965039

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

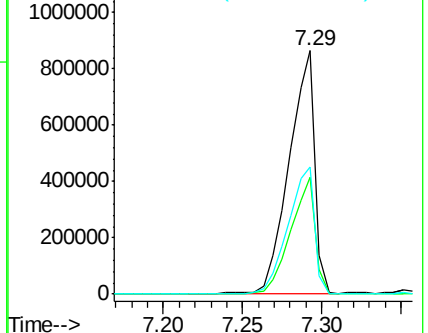
54 52.3 41.4 62.2

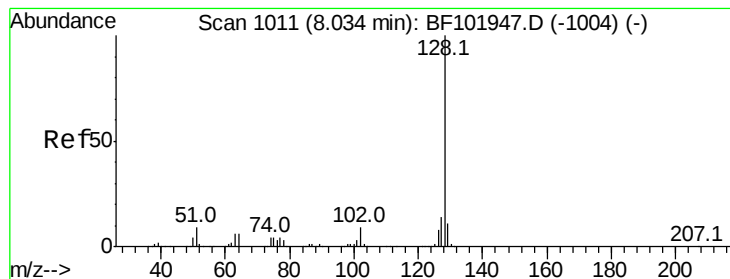


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 9.022 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA\_F

ClientSampleId :

DS-3

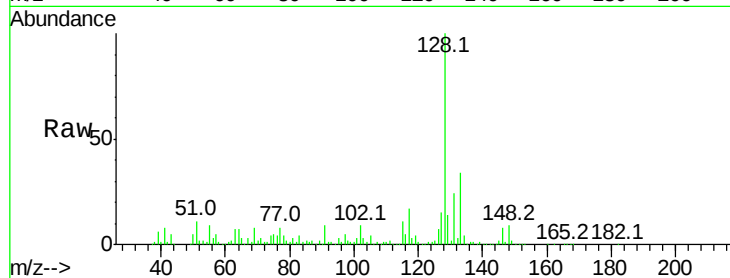
Tot Ion:128 Resp: 276284

Ion Ratio Lower Upper

128 100

129 14.1 8.8 13.2#

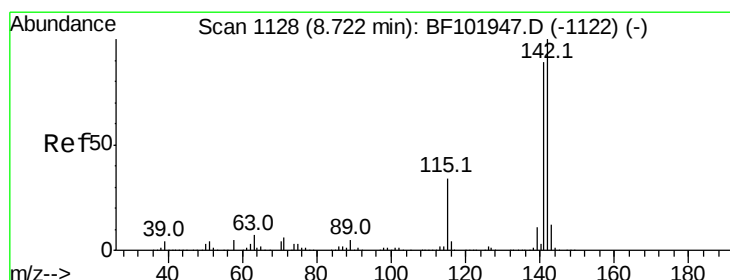
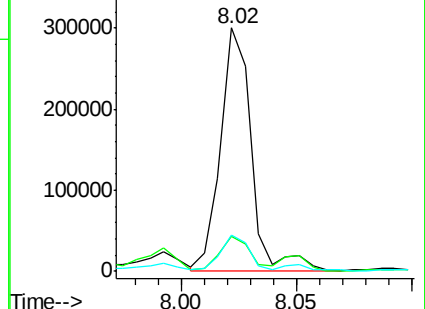
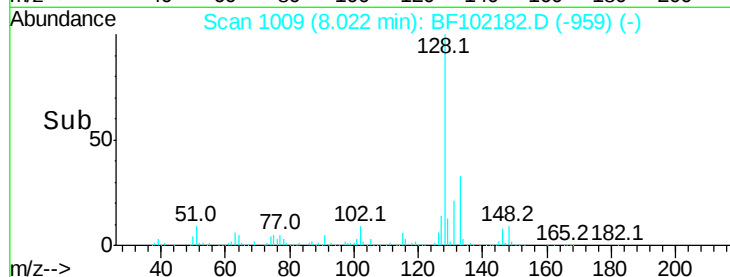
127 14.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 19.039 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

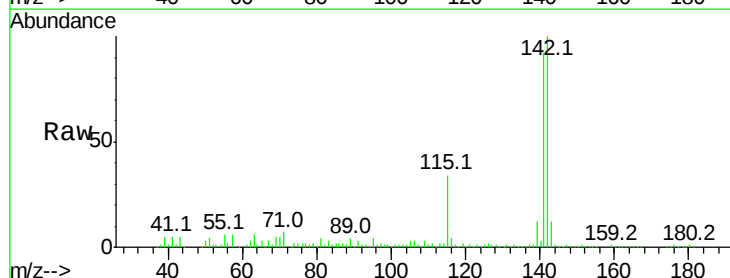
Tgt Ion:142 Resp: 383840

Ion Ratio Lower Upper

142 100

141 91.6 70.8 106.2

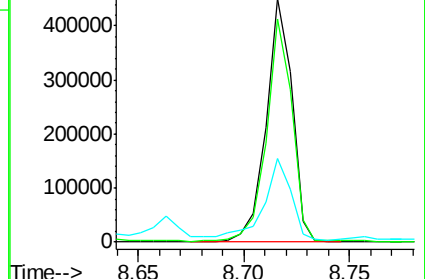
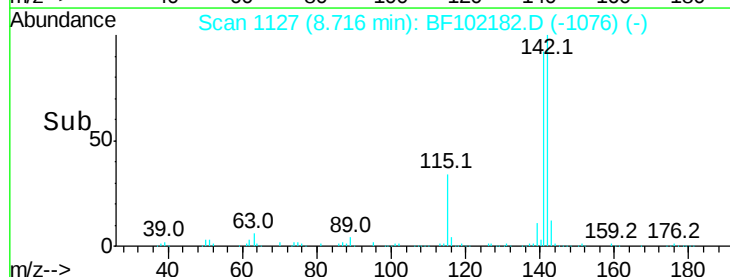
115 34.3 26.1 39.1

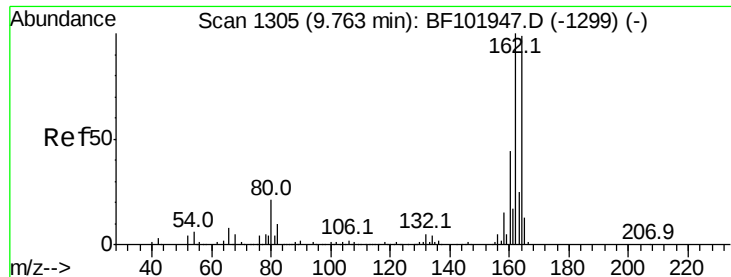


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

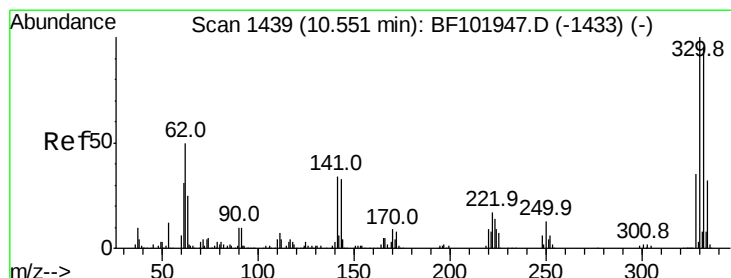
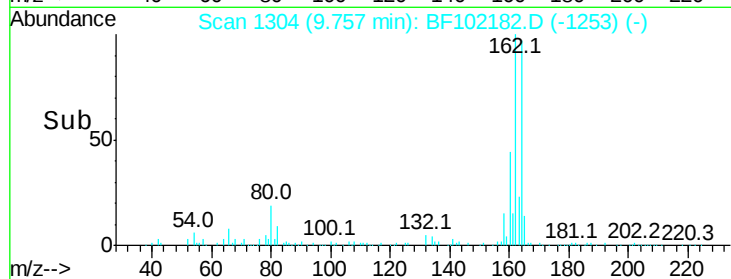
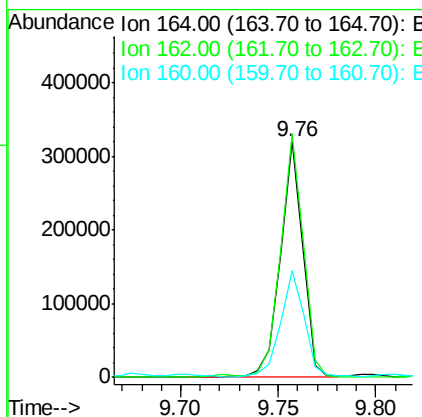
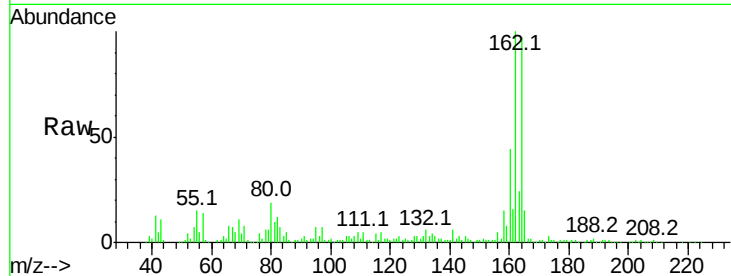




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. 0.00 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

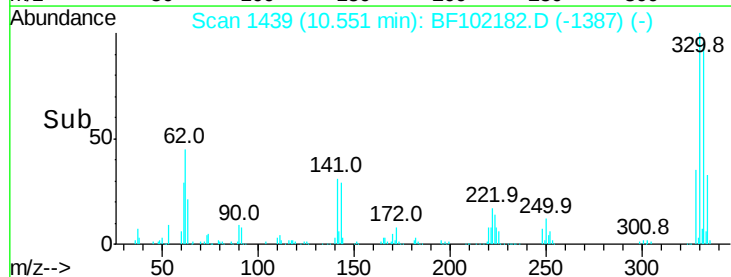
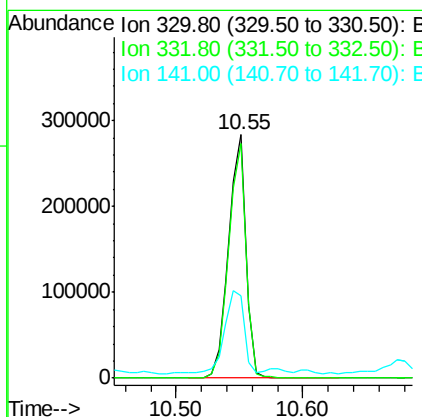
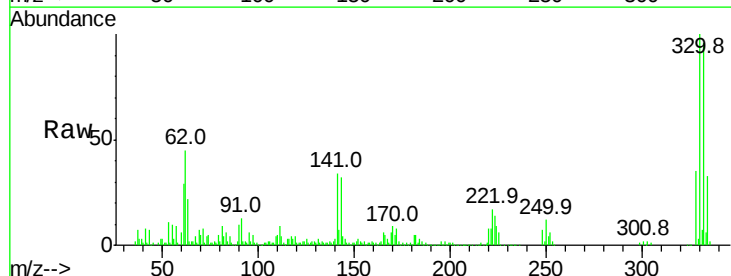
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DS-3

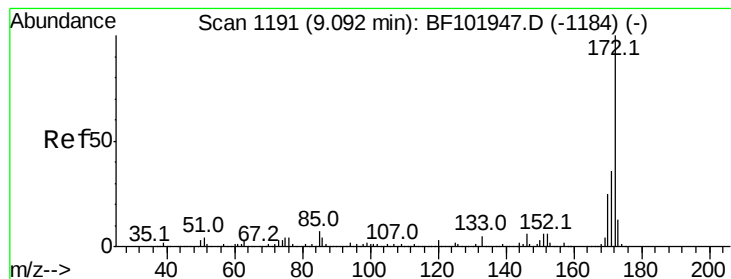
Tot Ion:164 Resp: 251215  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 86.1 129.1  
 160 45.3 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 122.160 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. 0.01 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

Tgt Ion:330 Resp: 267814  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 39.0 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 81.246 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

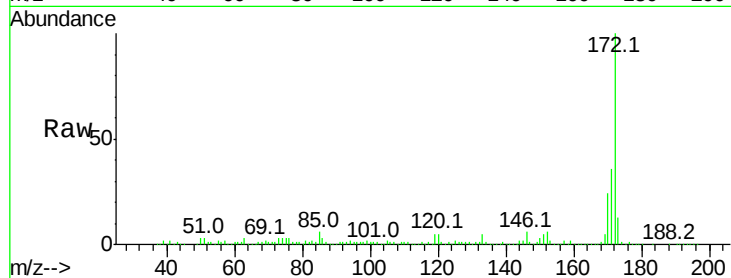
BNA\_F

ClientSampleId :

DS-3

Tot Ion:172 Resp: 1306444

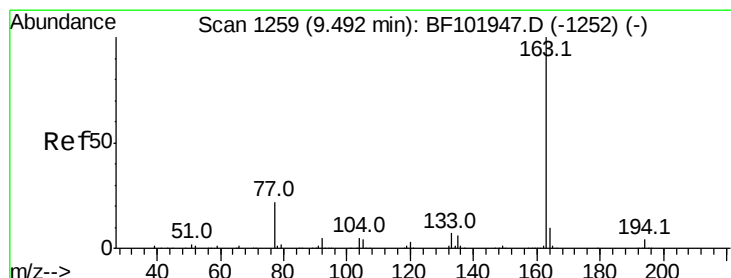
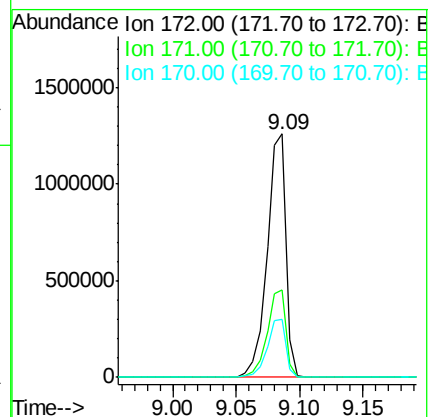
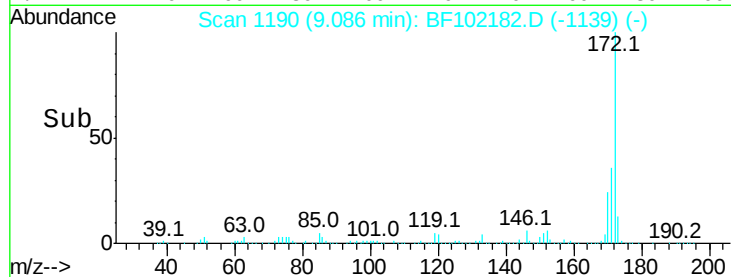
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.0  | 29.7  | 44.5  |
| 170 | 24.0  | 19.6  | 29.4  |



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



#49

Dimethylphthalate

Concen: 10.005 ng

RT: 9.47 min Scan# 1256

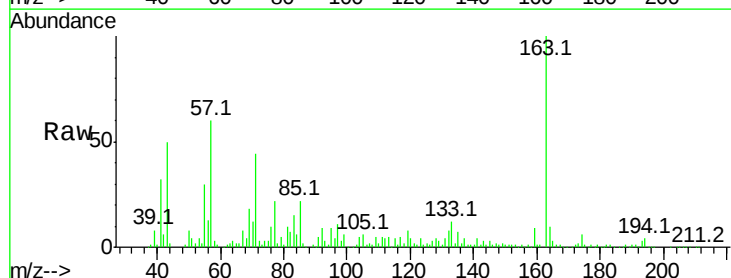
Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Tgt Ion:163 Resp: 201617

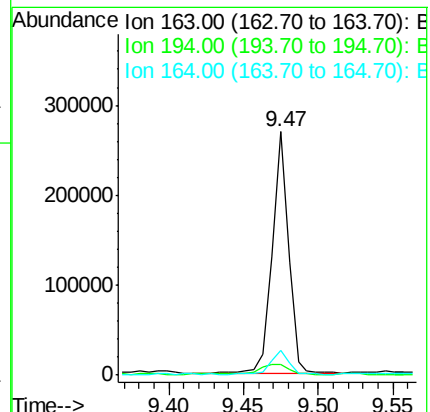
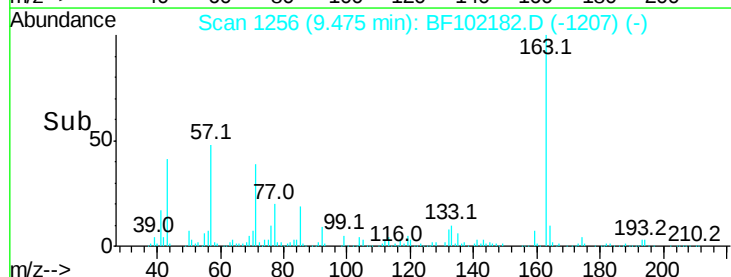
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.4   | 2.7   | 4.1#  |
| 164 | 10.0  | 8.2   | 12.2  |

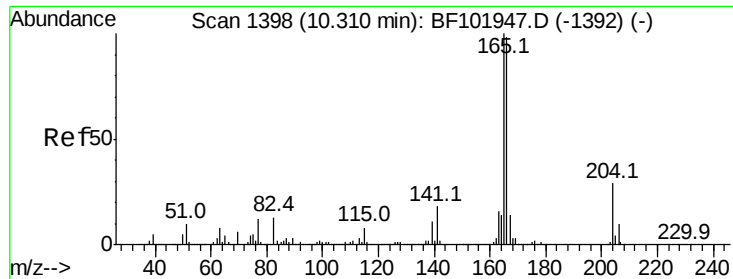


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

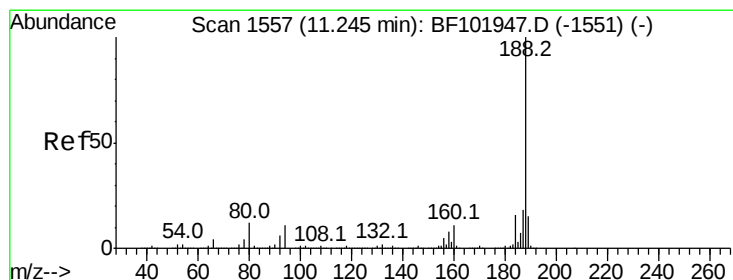
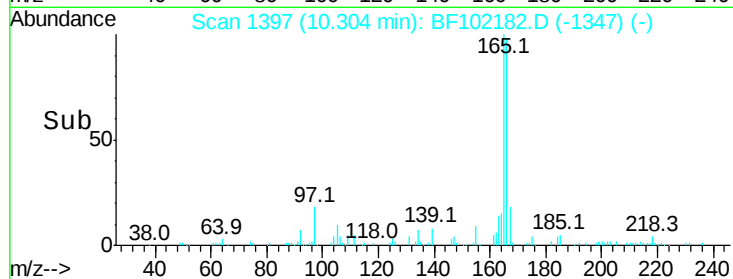
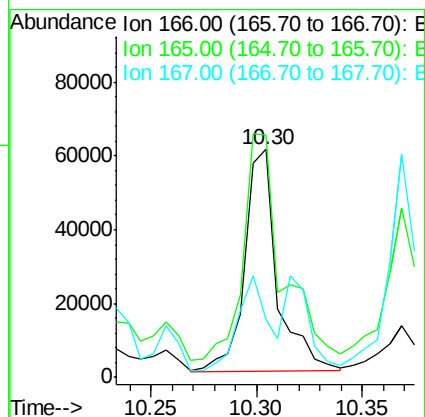
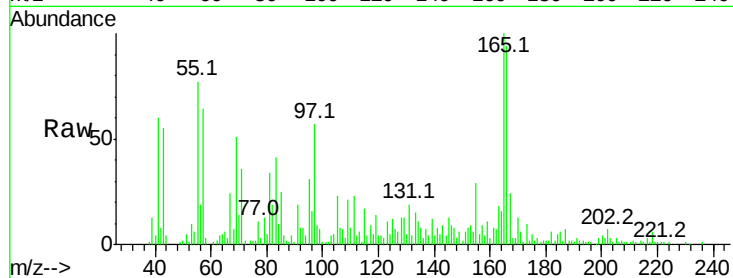




#57  
**Fluorene**  
 Concen: 4.139 ng  
 RT: 10.30 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

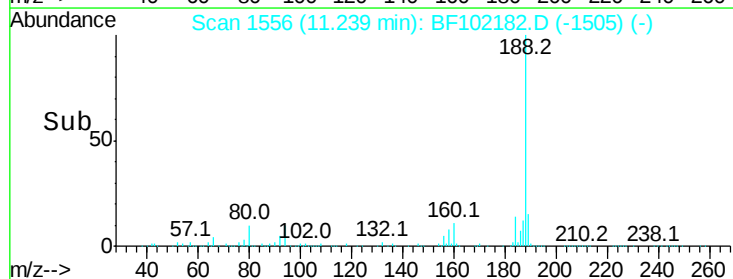
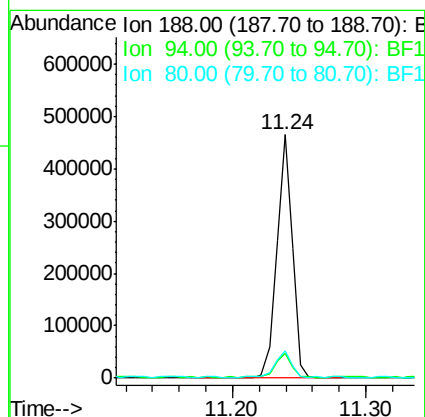
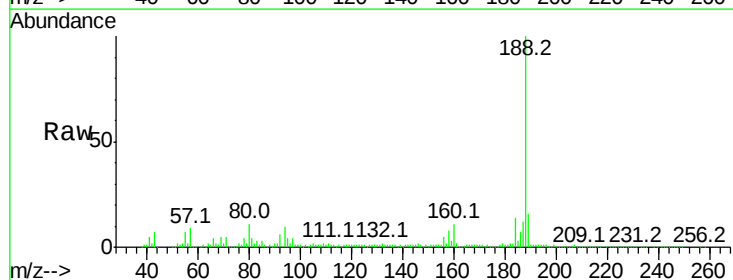
Instrument :  
 BNA\_F  
 ClientSampled :  
 DS-3

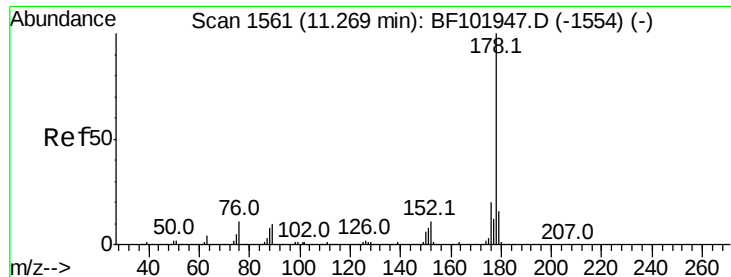
Tot Ion:166 Resp: 65124  
 Ion Ratio Lower Upper  
 166 100  
 165 106.5 79.8 119.8  
 167 25.4 10.6 16.0#



#63  
**Phenanthrene-d10**  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. 0.00 min  
 Lab File: BF102182.D  
 Acq: 18 Jan 2018 6:49

Tgt Ion:188 Resp: 381014  
 Ion Ratio Lower Upper  
 188 100  
 94 10.1 8.5 12.7  
 80 11.0 9.2 13.8





#70

Phenanthrene

Concen: 5.858 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA\_F

ClientSampleId :

DS-3

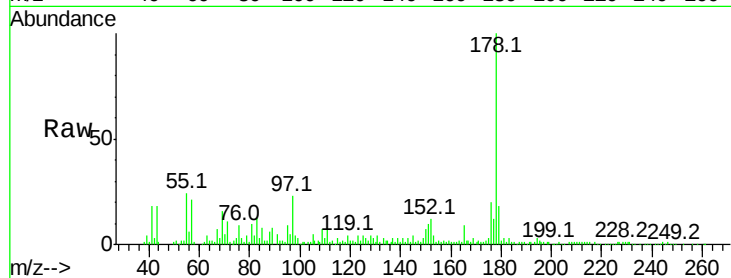
Tot Ion:178 Resp: 130374

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

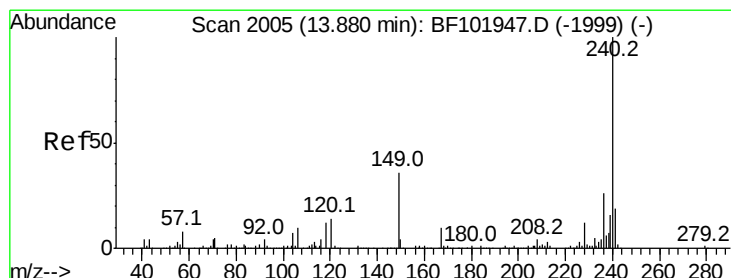
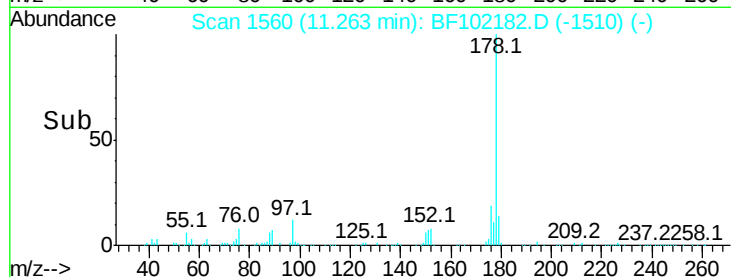
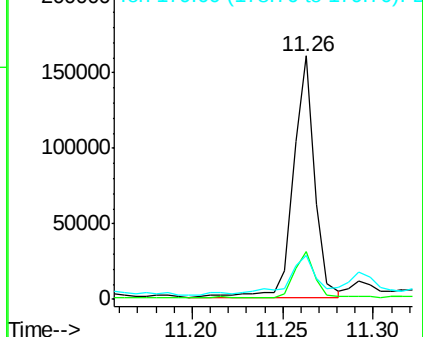
179 17.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

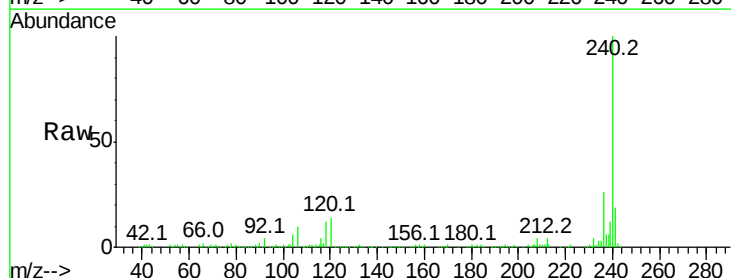
Tgt Ion:240 Resp: 269269

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

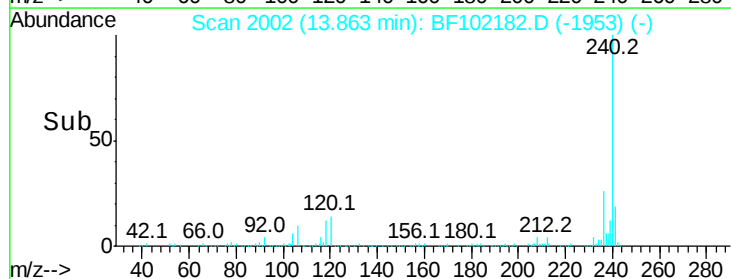
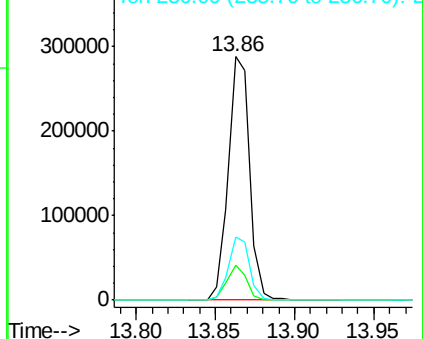
236 26.0 20.7 31.1

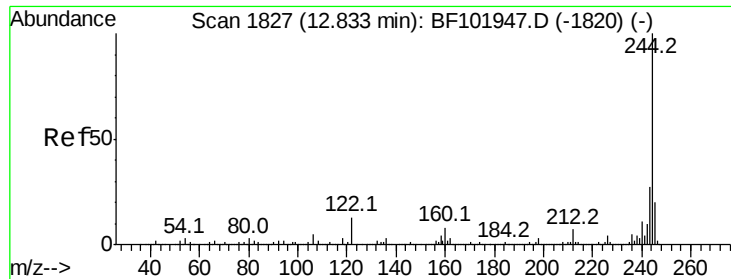


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.203 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

Instrument :

BNA\_F

ClientSampleId :

DS-3

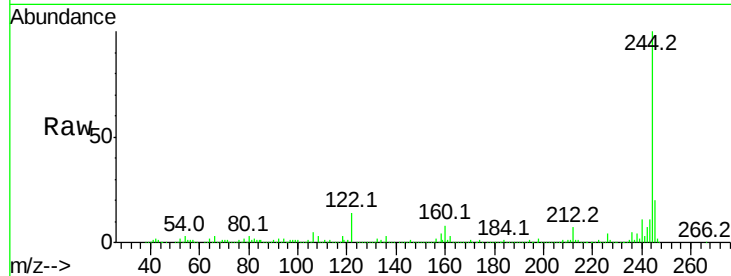
Tot Ion:244 Resp: 910464

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

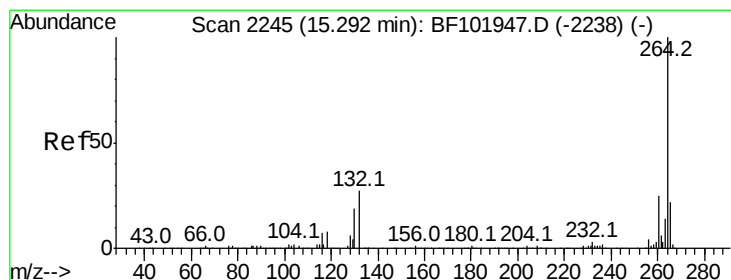
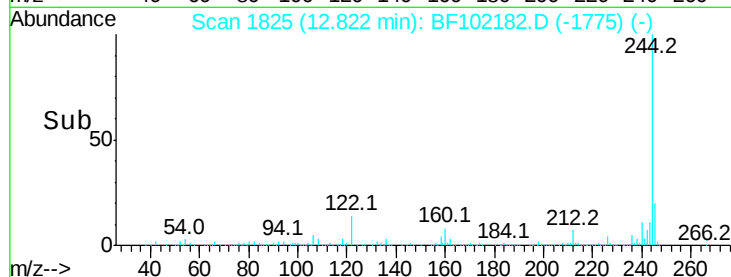
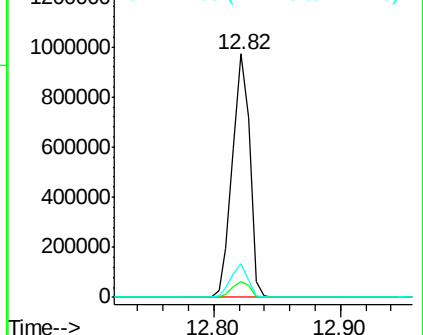
122 13.6 11.0 16.4



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: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102182.D

Acq: 18 Jan 2018 6:49

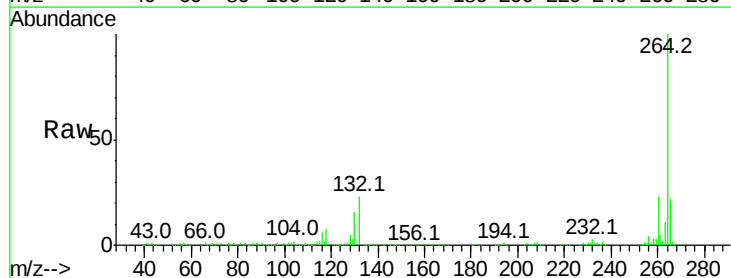
Tgt Ion:264 Resp: 267029

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.7 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

