

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\  
 Data File : BF107028.D  
 Acq On : 30 Jun 2018 21:17  
 Operator : JU/SJ  
 Sample : J3677-09 2X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 147-149-B2(0-5)

Quant Time: Jul 05 06:54:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

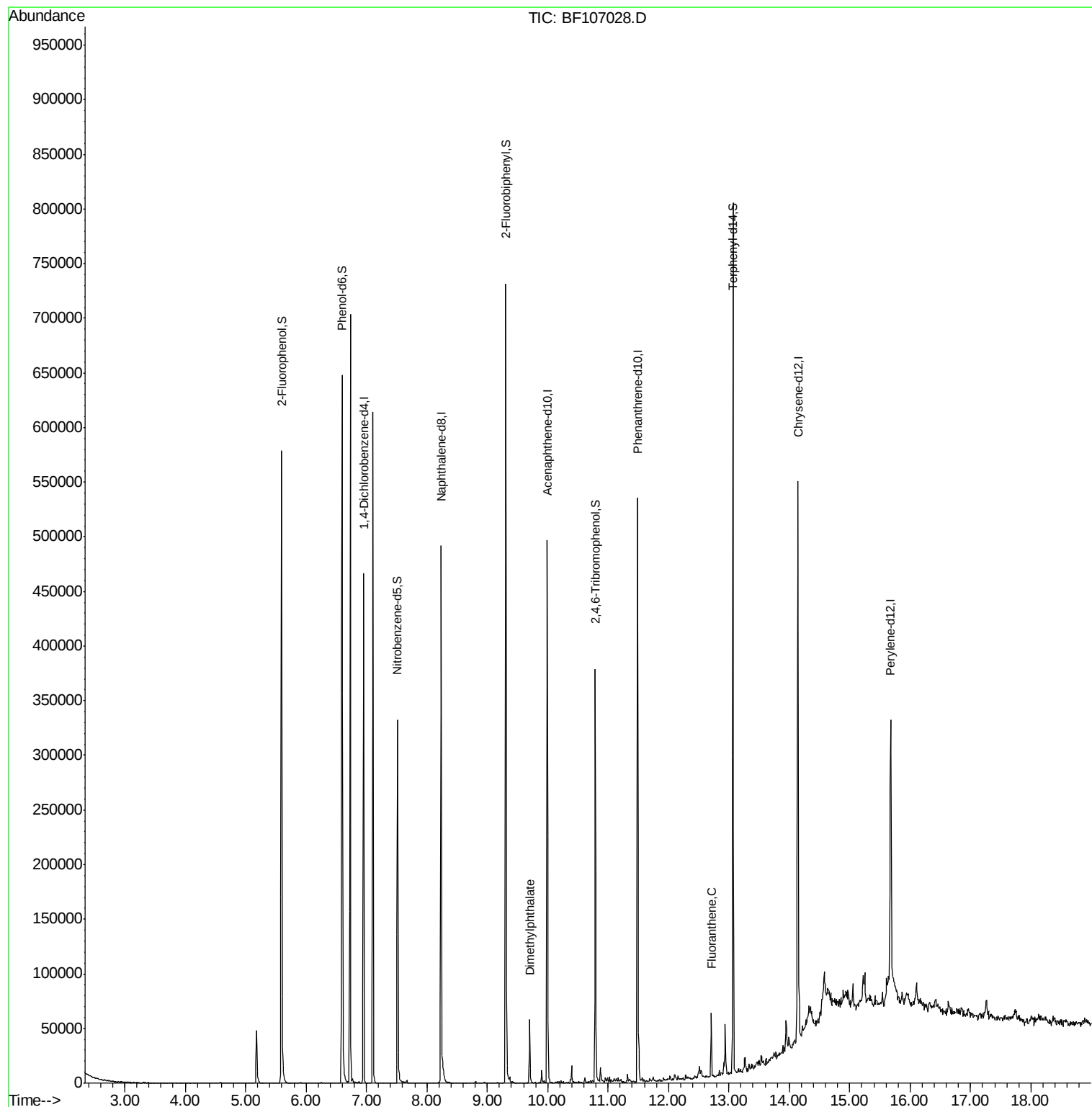
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 67924    | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.24  | 136  | 241357   | 20.00 | ng    | -0.01       |
| 38) Acenaphthene-d10        | 10.00 | 164  | 102919   | 20.00 | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.49 | 188  | 208514   | 20.00 | ng    | -0.01       |
| 75) Chrysene-d12            | 14.14 | 240  | 184443   | 20.00 | ng    | -0.02       |
| 86) Perylene-d12            | 15.68 | 264  | 130605   | 20.00 | ng    | -0.04       |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.60  | 112  | 186977   | 46.61 | ng    | 0.00        |
| 7) Phenol-d6                | 6.60  | 99   | 223122   | 44.54 | ng    | -0.02       |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 118632   | 27.32 | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 56238    | 47.15 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 243528   | 30.61 | ng    | -0.02       |
| 78) Terphenyl-d14           | 13.07 | 244  | 303570   | 39.87 | ng    | -0.01       |
| Target Compounds            |       |      |          |       |       |             |
| 49) Dimethylphthalate       | 9.70  | 163  | 27515    | 3.565 | ng    | Qvalue # 95 |
| 74) Fluoranthene            | 12.71 | 202  | 24804    | 2.238 | ng    | 96          |

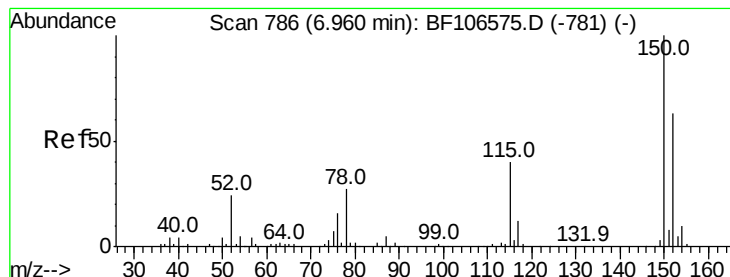
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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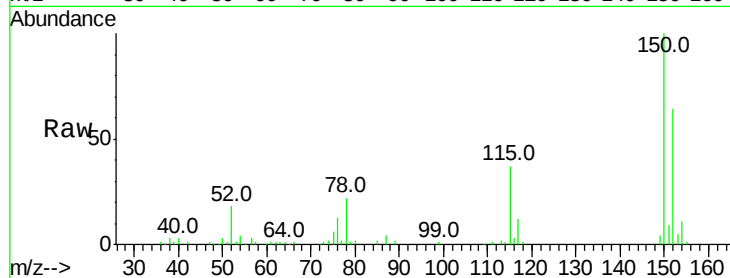


#1

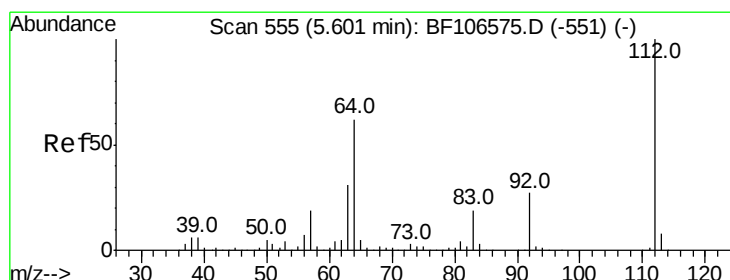
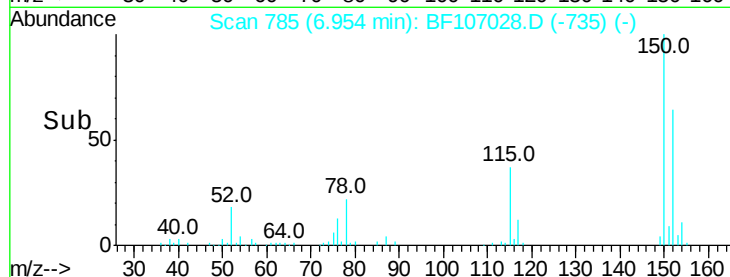
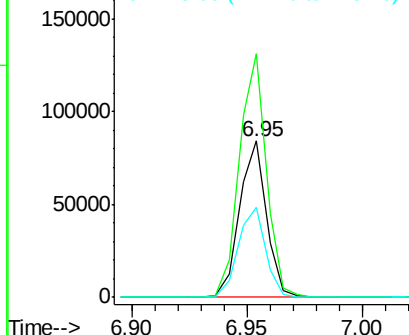
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107028.D  
Acq: 30 Jun 2018 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
147-149-B2(0-5)

Tot Ion:152 Resp: 67924  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.6 186.8  
115 57.4 50.1 75.1



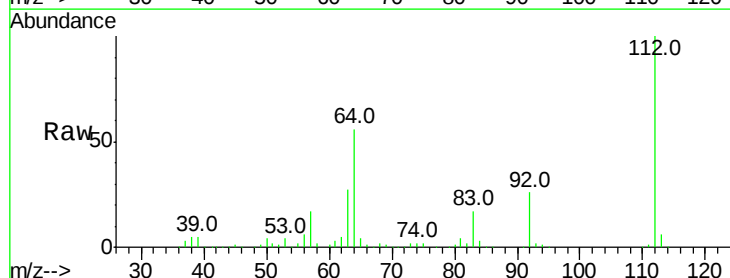
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



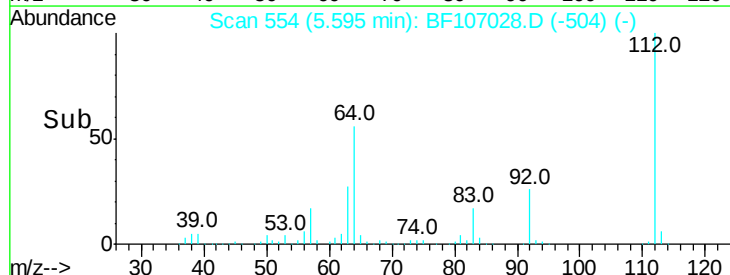
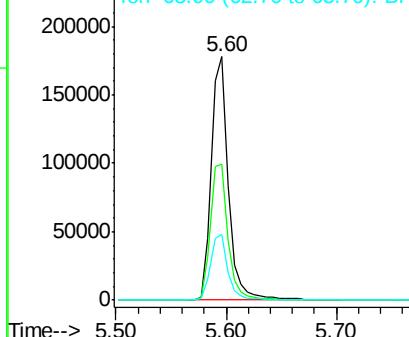
#5

2-Fluorophenol  
Concen: 46.613 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107028.D  
Acq: 30 Jun 2018 21:17

Tgt Ion:112 Resp: 186977  
Ion Ratio Lower Upper  
112 100  
64 55.8 47.9 71.9  
63 26.8 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: 44.541 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

Instrument :

BNA\_F

ClientSampleId :

147-149-B2(0-5)

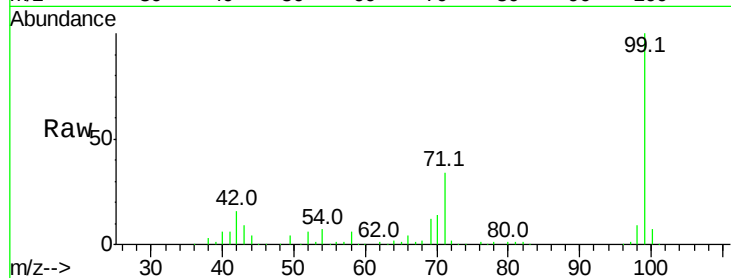
Tot Ion: 99 Resp: 223122

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

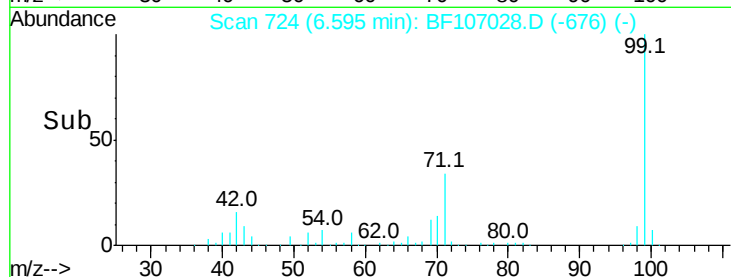
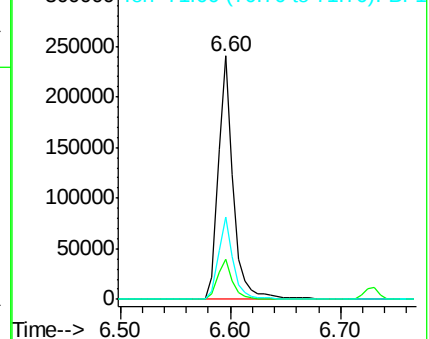
71 33.7 25.4 38.0



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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

Tgt Ion: 136 Resp: 241357

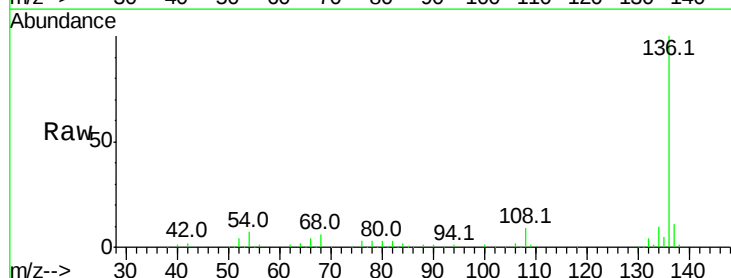
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

68 5.7 5.0 7.4

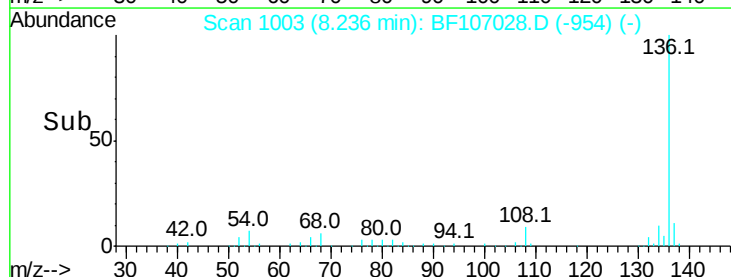
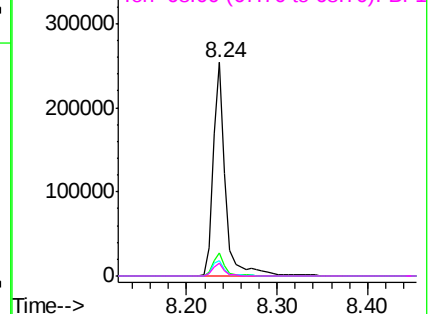


Abundance Ion 136.00 (135.70 to 136.70): E

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

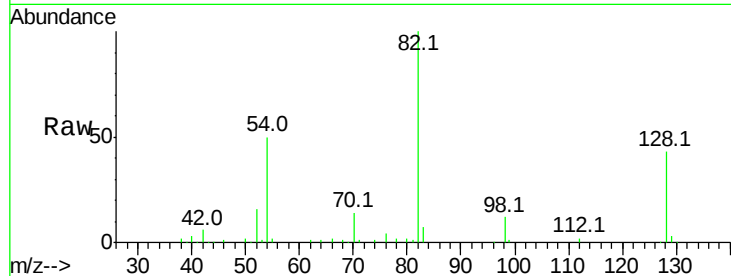




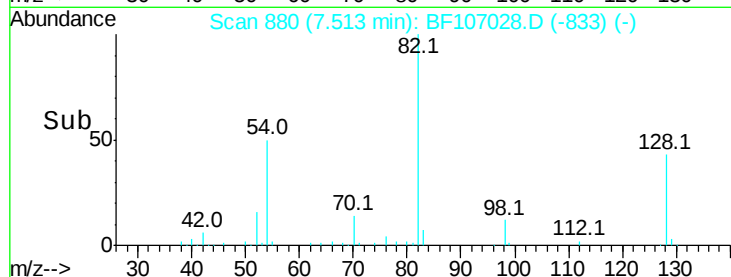
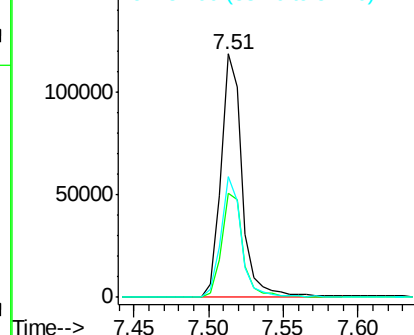
#23  
Nitrobenzene-d5  
Concen: 27.316 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF107028.D  
Acq: 30 Jun 2018 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
147-149-B2(0-5)

Tot Ion: 82 Resp: 118632  
Ion Ratio Lower Upper  
82 100  
128 42.6 36.1 54.1  
54 49.6 41.4 62.2

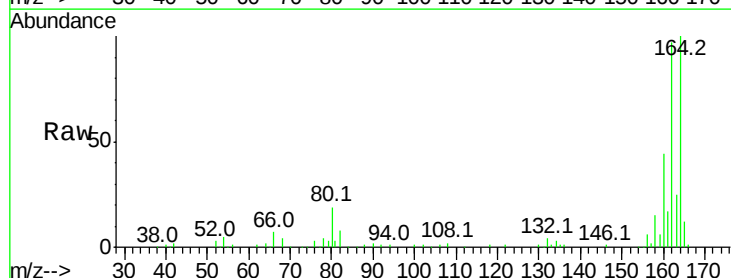


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

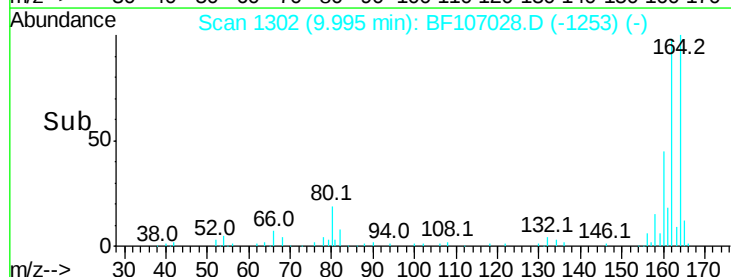
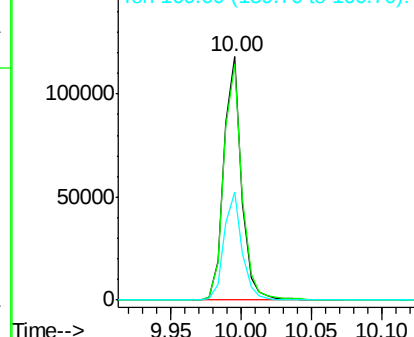


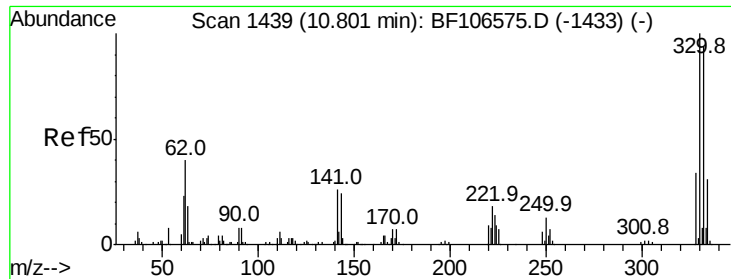
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF107028.D  
Acq: 30 Jun 2018 21:17

Tgt Ion:164 Resp: 102919  
Ion Ratio Lower Upper  
164 100  
162 96.7 86.1 129.1  
160 44.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

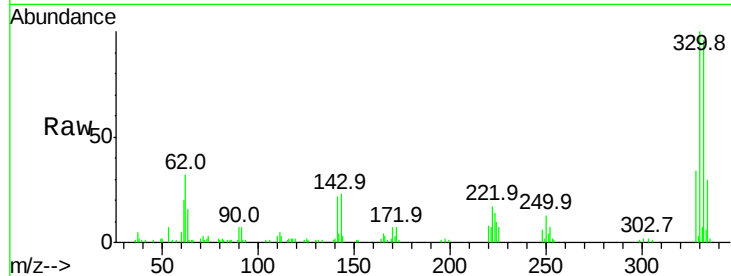




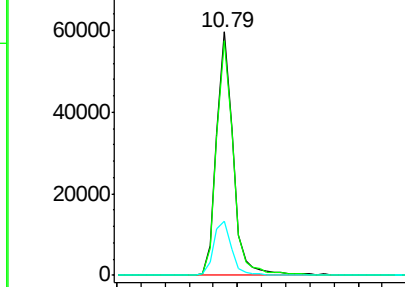
#41  
 2,4,6-Tribromophenol  
 Concen: 47.146 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF107028.D  
 Acq: 30 Jun 2018 21:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 147-149-B2(0-5)

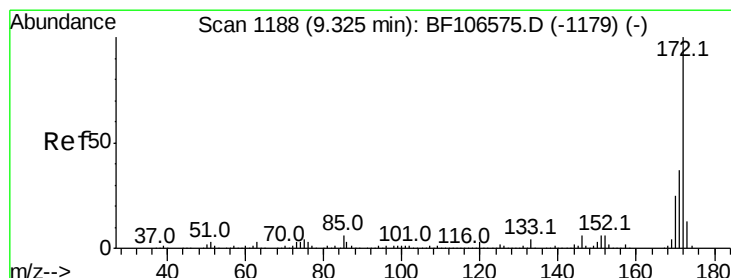
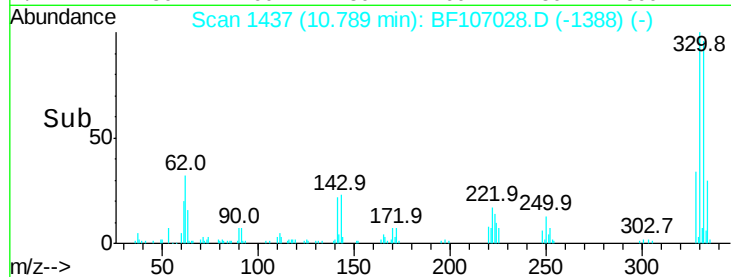
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 23.8  | 29.9  | 44.9# |



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

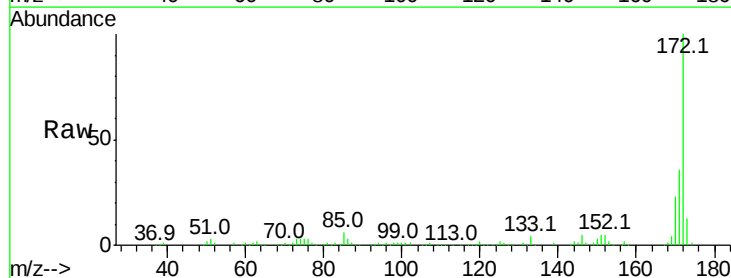


Time--> 10.70 10.80 10.90

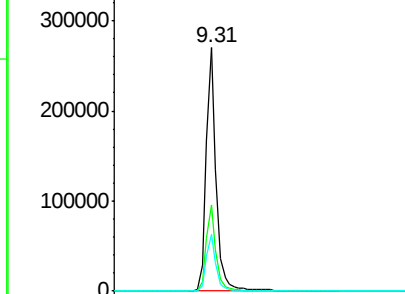


#44  
 2-Fluorobiphenyl  
 Concen: 30.613 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107028.D  
 Acq: 30 Jun 2018 21:17

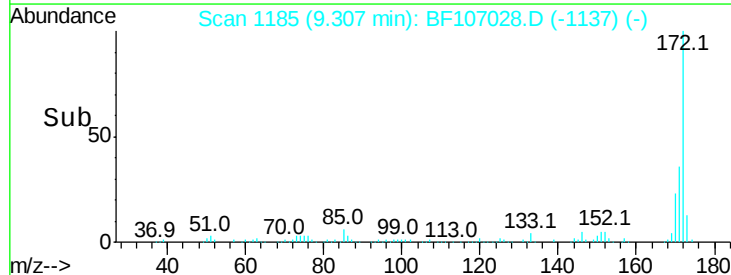
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.7  | 44.5  |
| 170     | 23.1  | 19.6  | 29.4  |



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



Time--> 9.20 9.30 9.40 9.50





#49

Dimethylphthalate

Concen: 3.565 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

Instrument :

BNA\_F

ClientSampleId :

147-149-B2(0-5)

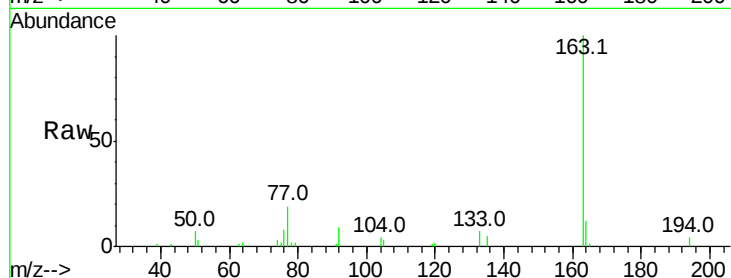
Tot Ion:163 Resp: 27515

Ion Ratio Lower Upper

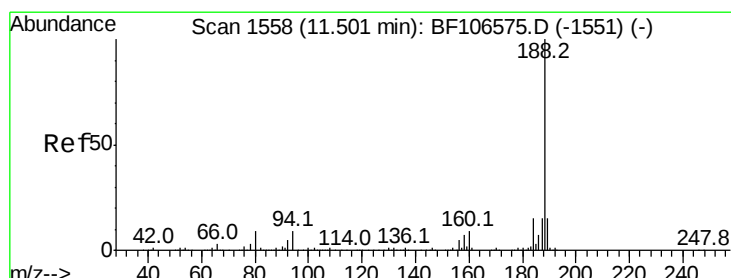
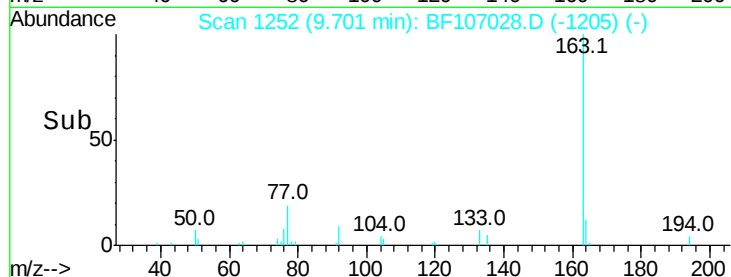
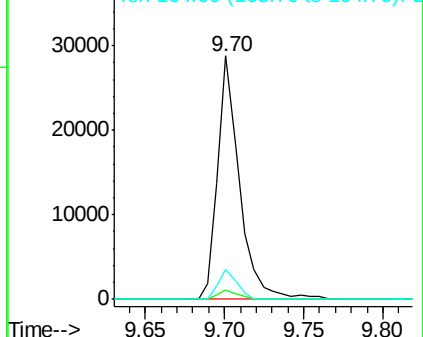
163 100

194 4.0 2.7 4.1

164 12.3 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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

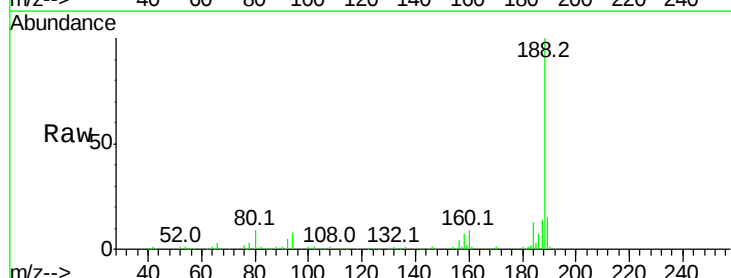
Tgt Ion:188 Resp: 208514

Ion Ratio Lower Upper

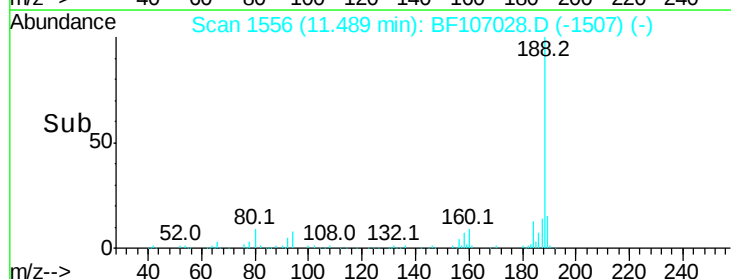
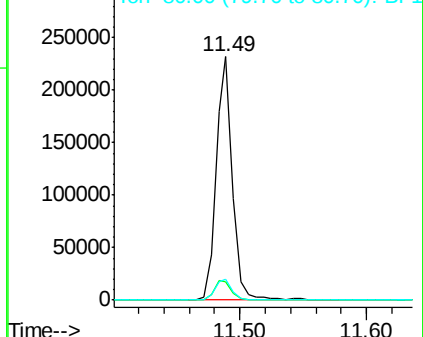
188 100

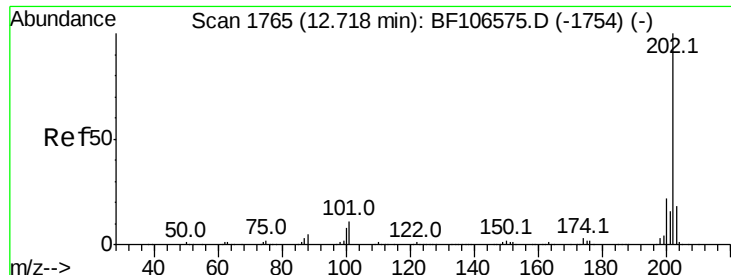
94 7.6 8.5 12.7#

80 8.6 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

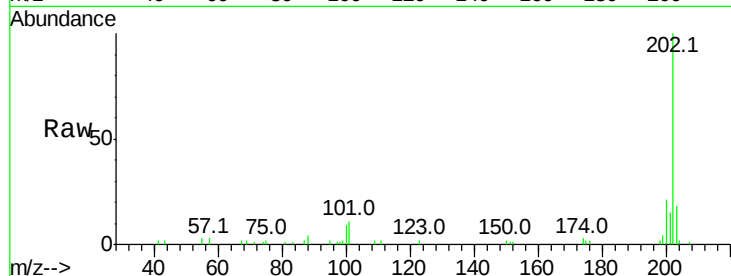




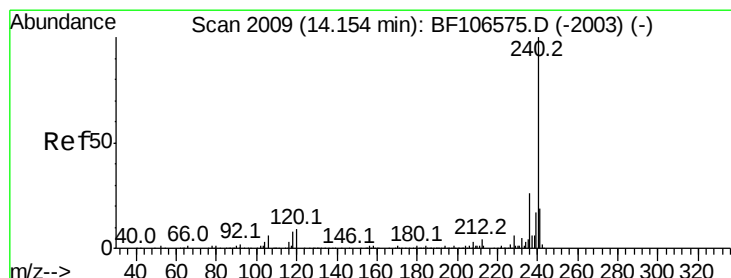
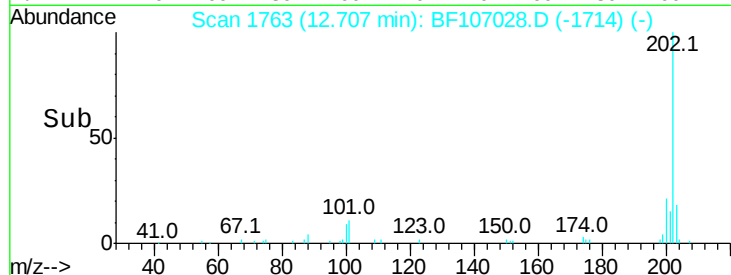
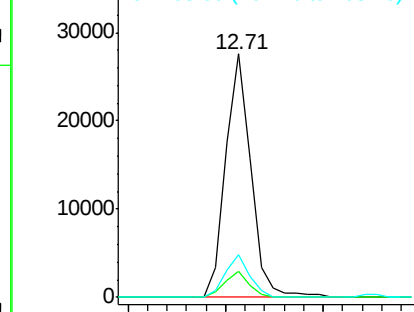
#74  
 Fluoranthene  
 Concen: 2.238 ng  
 RT: 12.71 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: BF107028.D  
 Acq: 30 Jun 2018 21:17

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 BNA\_F  
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 147-149-B2(0-5)

Tot Ion:202 Resp: 24804  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 34.1  
 203 17.5 0.0 38.1

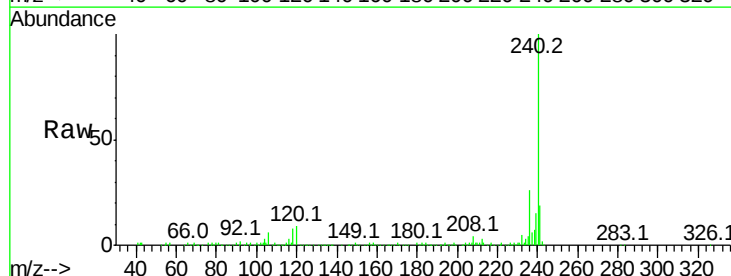


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

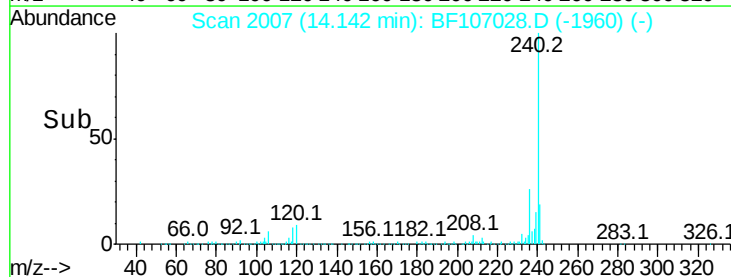
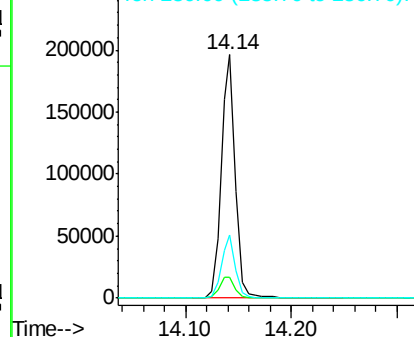


#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2007  
 Delta R.T. -0.02 min  
 Lab File: BF107028.D  
 Acq: 30 Jun 2018 21:17

Tgt Ion:240 Resp: 184443  
 Ion Ratio Lower Upper  
 240 100  
 120 8.8 9.5 14.3#  
 236 25.8 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: 39.868 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

Instrument :

BNA\_F

ClientSampleId :

147-149-B2(0-5)

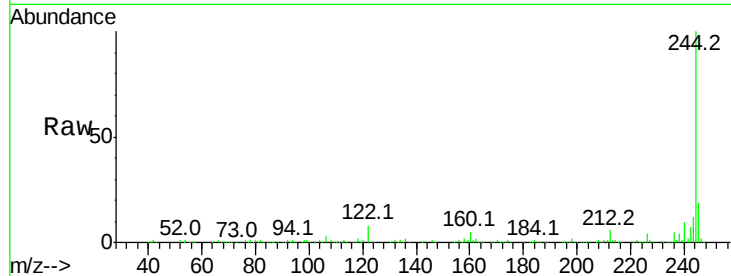
Tot Ion:244 Resp: 303570

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

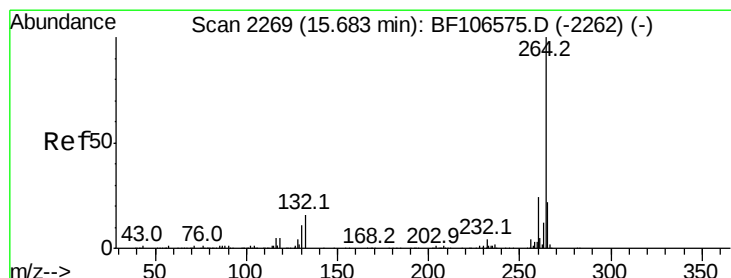
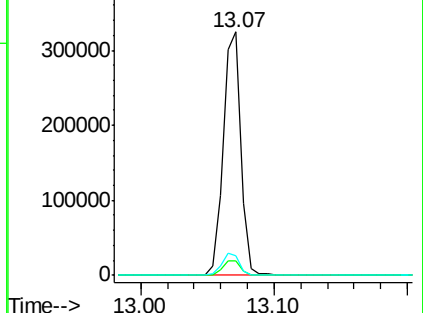
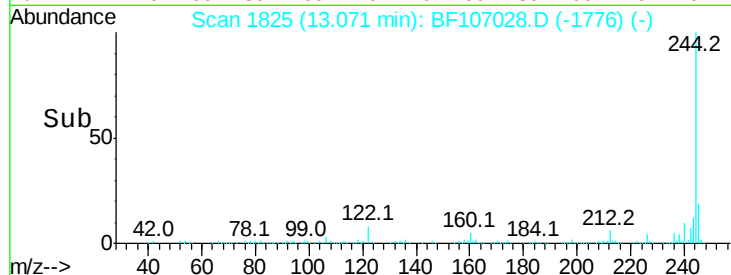
122 7.9 11.0 16.4#



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: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF107028.D

Acq: 30 Jun 2018 21:17

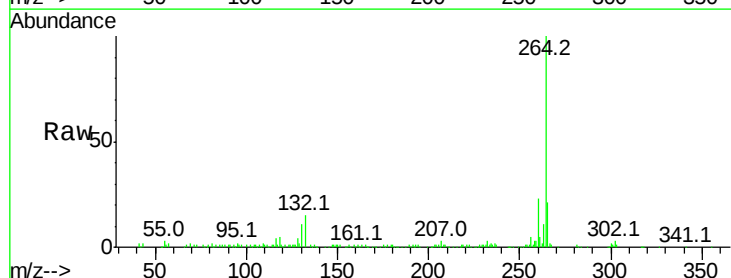
Tgt Ion:264 Resp: 130605

Ion Ratio Lower Upper

264 100

260 22.7 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

