

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\  
 Data File : BF107548.D  
 Acq On : 21 Jul 2018 2:16  
 Operator : JU/SJ  
 Sample : J3828-09 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-071818-B

Quant Time: Jul 21 05:12:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

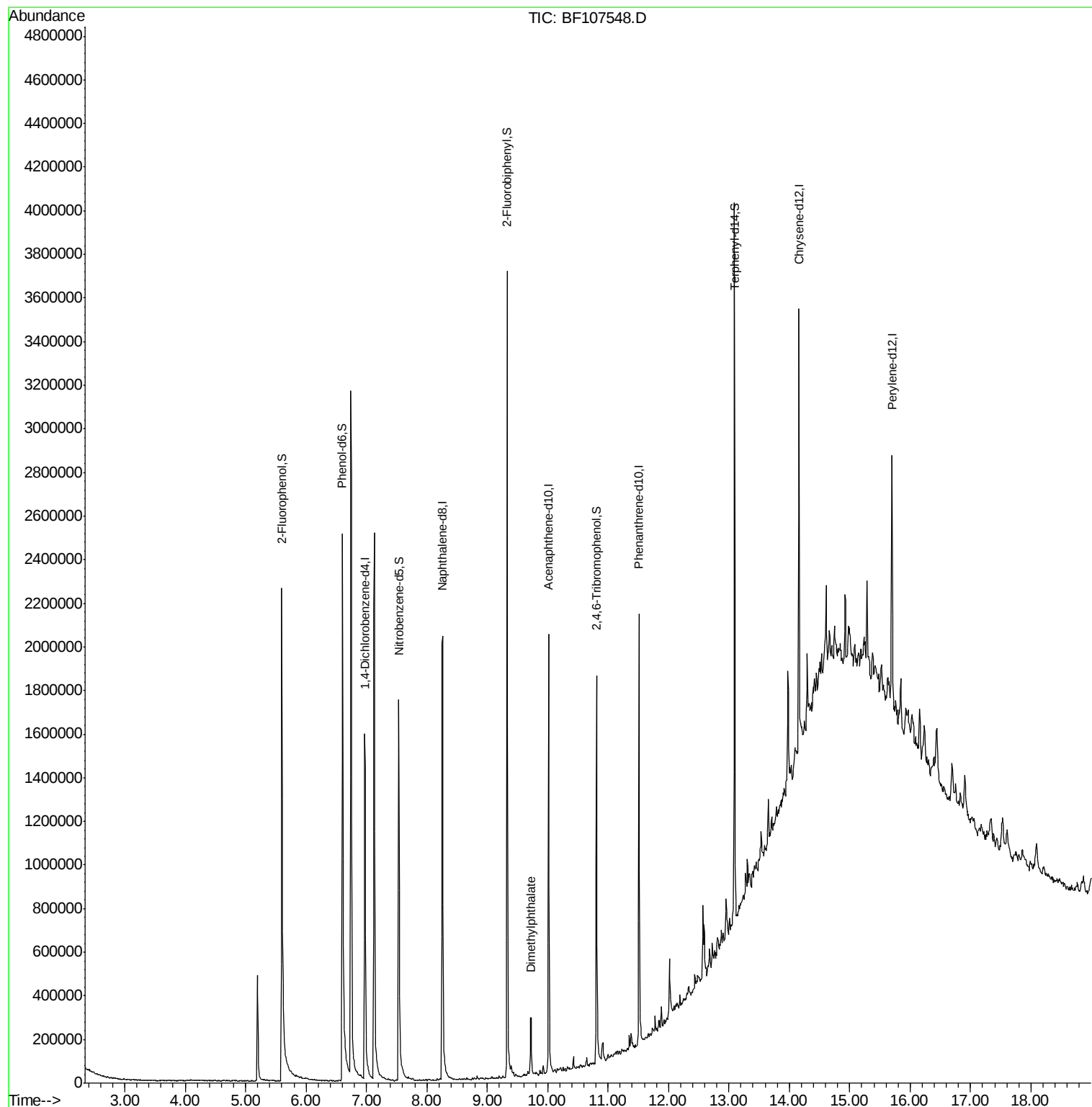
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 320746   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 1189859  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 436227   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.51 | 188  | 790859   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.16 | 240  | 727300   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.70 | 264  | 519623   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 993019   | 49.78 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 1236872  | 51.64 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 703492   | 39.90 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 247444   | 49.88 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1208355  | 40.16 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 1109418  | 39.05 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.72  | 163  | 124140   | 3.776 | ng    | 99       |

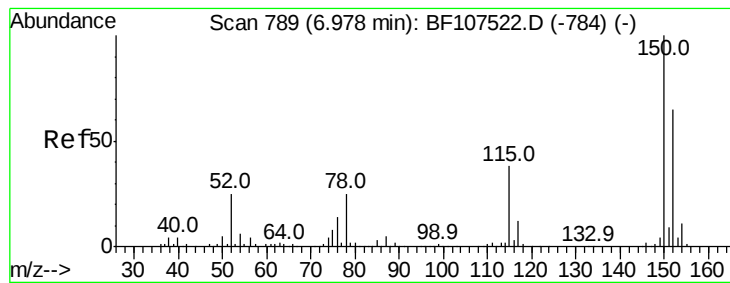
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
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QLast Update : Fri Jul 20 16:29:27 2018  
Response via : Initial Calibration



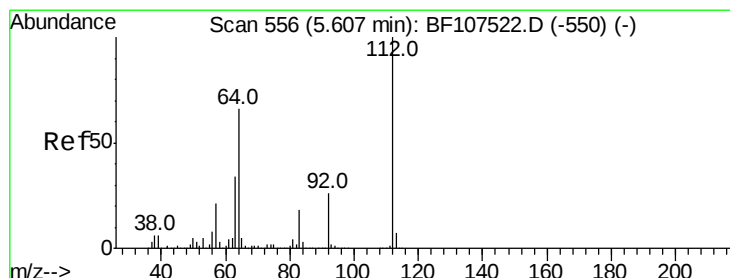
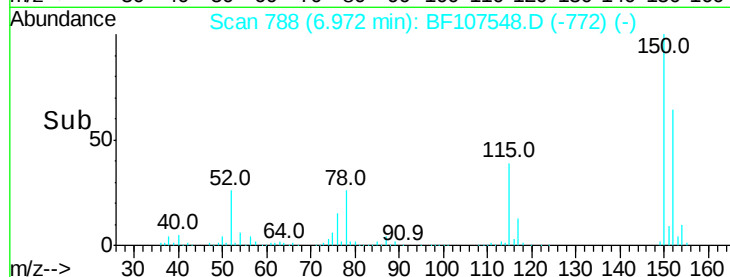
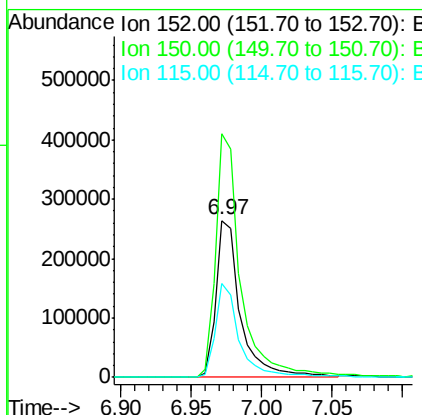
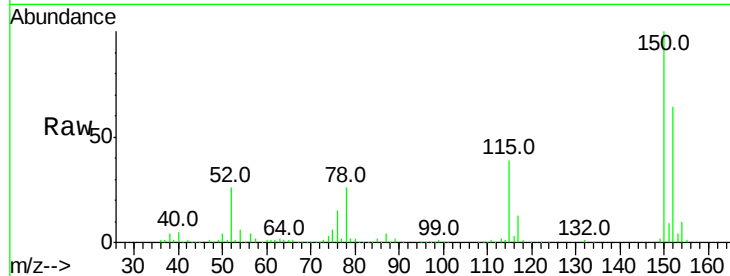


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-071818-B

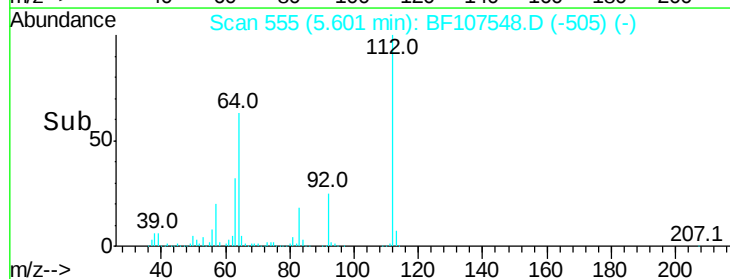
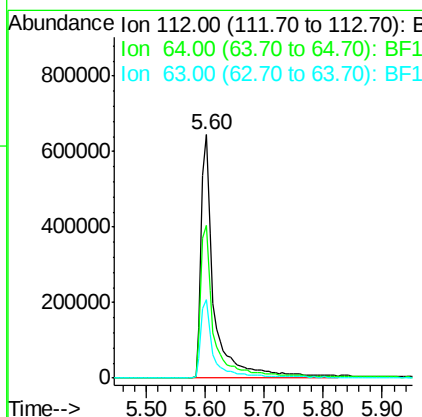
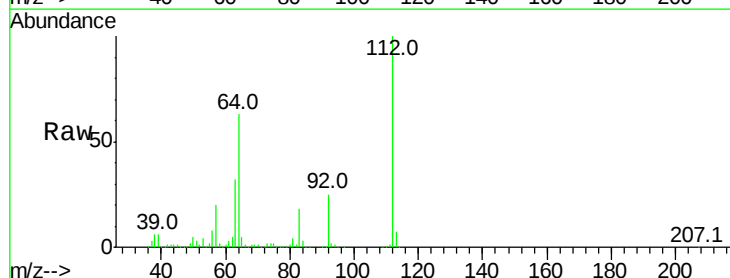
Tot Ion:152 Resp: 320746  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 124.6 186.8  
 115 60.0 50.1 75.1

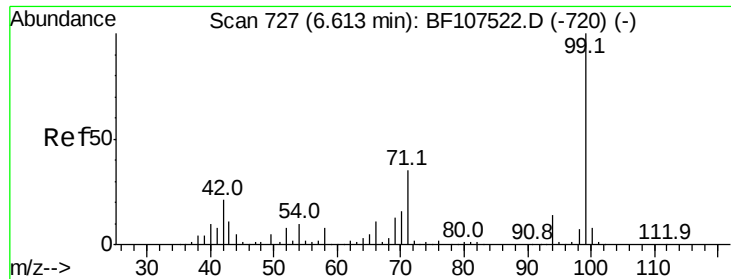


#5

2-Fluorophenol  
 Concen: 49.777 ng  
 RT: 5.60 min Scan# 555  
 Delta R.T. -0.01 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

Tgt Ion:112 Resp: 993019  
 Ion Ratio Lower Upper  
 112 100  
 64 63.0 47.9 71.9  
 63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 51.636 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA\_F

ClientSampleId :

EO-02-071818-B

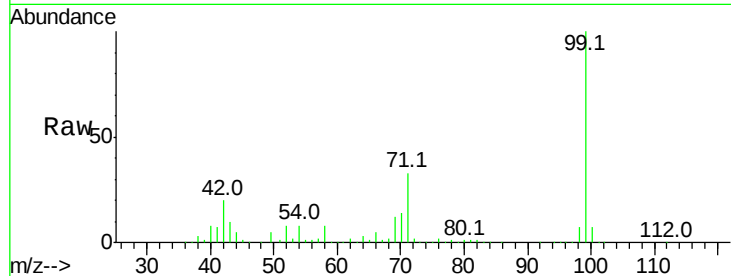
Tot Ion: 99 Resp: 1236872

Ion Ratio Lower Upper

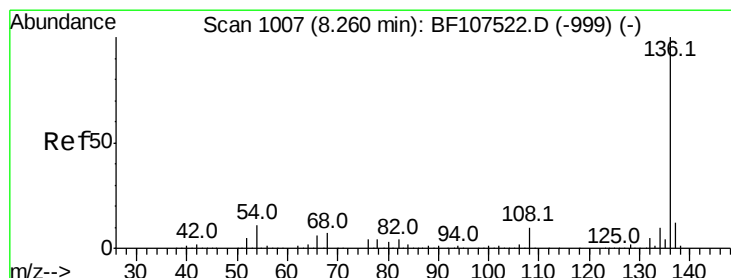
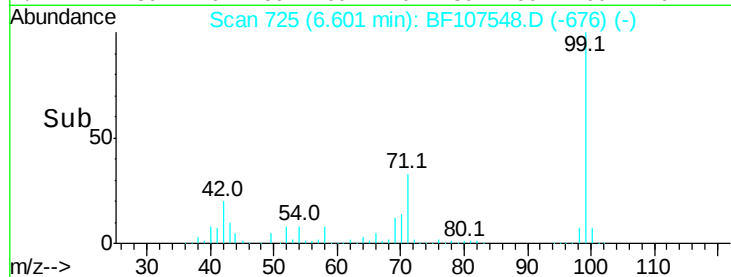
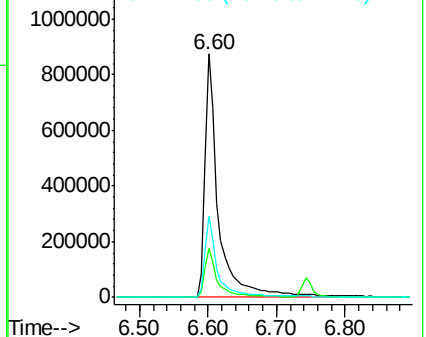
99 100

42 20.3 14.5 21.7

71 33.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Tgt Ion: 136 Resp: 1189859

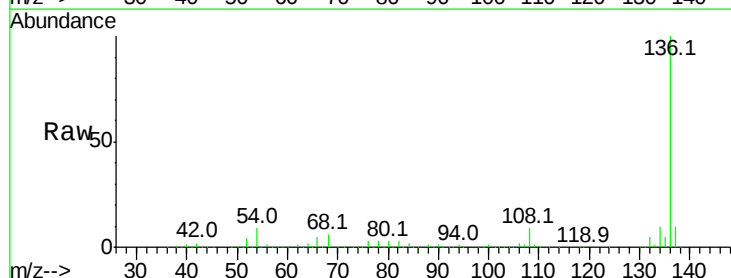
Ion Ratio Lower Upper

136 100

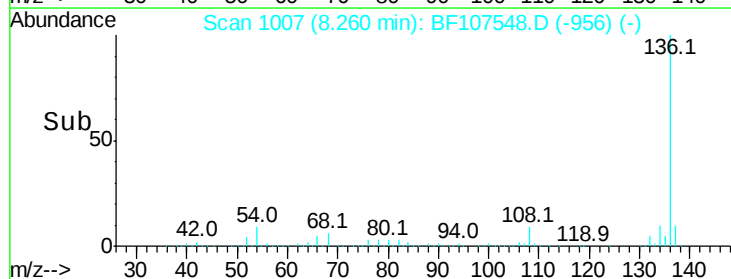
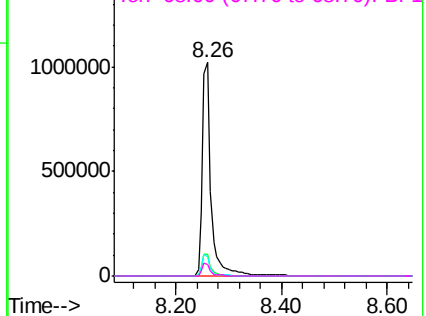
137 10.4 8.9 13.3

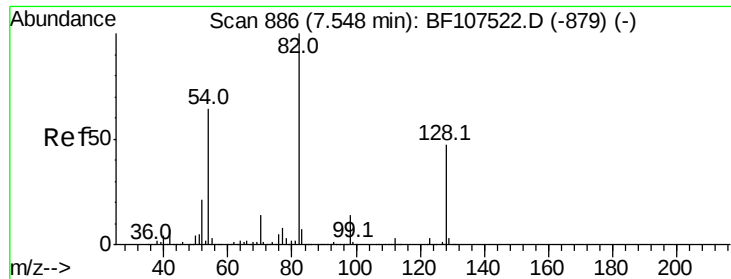
54 9.2 6.6 9.8

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

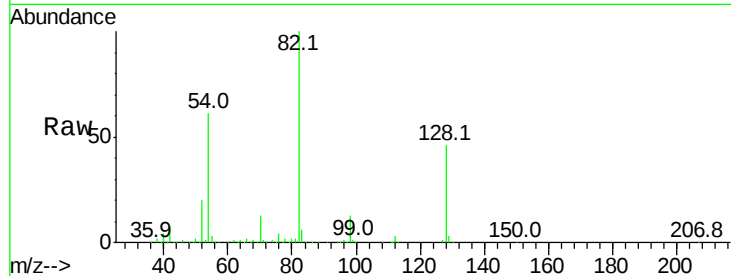




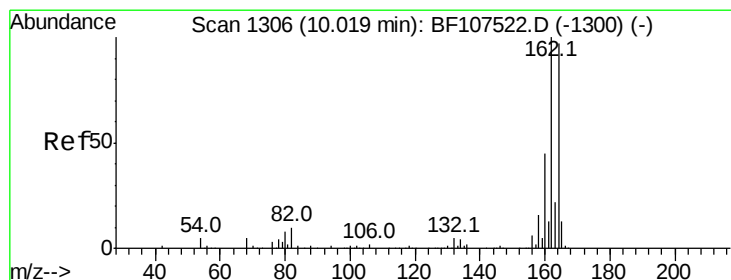
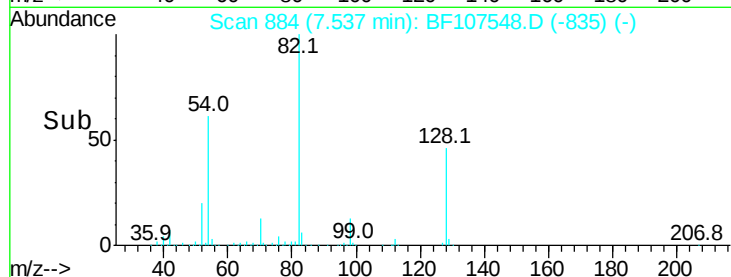
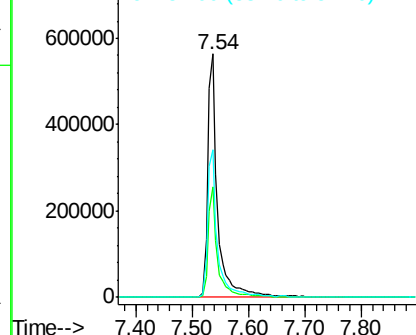
#23  
 Nitrobenzene-d5  
 Concen: 39.901 ng  
 RT: 7.54 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

Instrument :  
 BNA\_F  
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 EO-02-071818-B

Tot Ion: 82 Resp: 703492  
 Ion Ratio Lower Upper  
 82 100  
 128 45.5 36.1 54.1  
 54 60.9 41.4 62.2

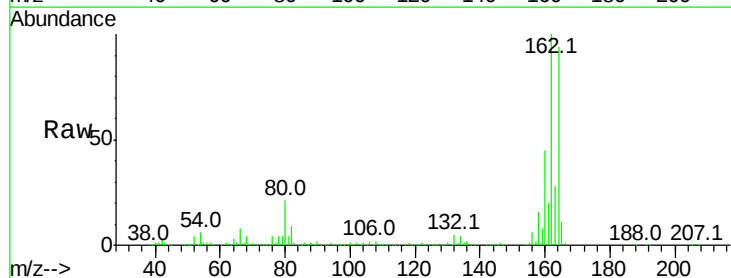


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

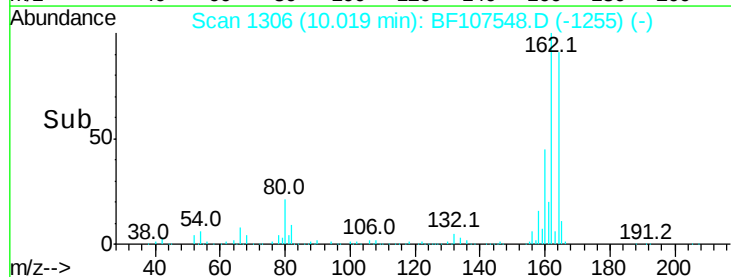
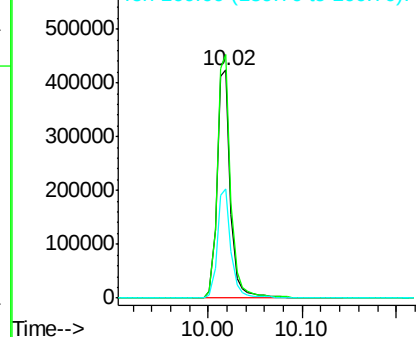


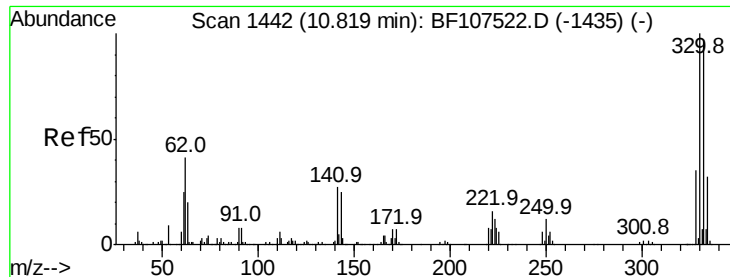
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.02 min Scan# 1306  
 Delta R.T. -0.00 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

Tgt Ion: 164 Resp: 436227  
 Ion Ratio Lower Upper  
 164 100  
 162 106.9 86.1 129.1  
 160 48.2 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

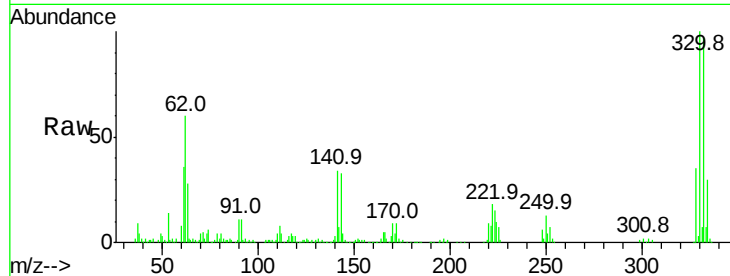




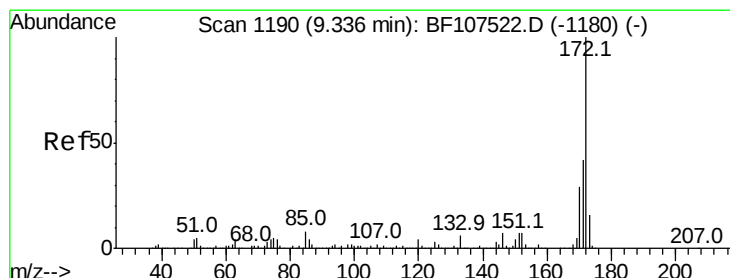
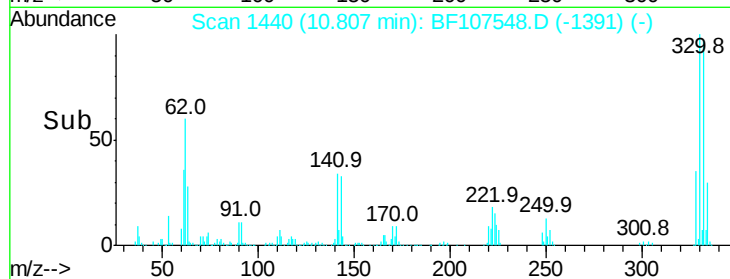
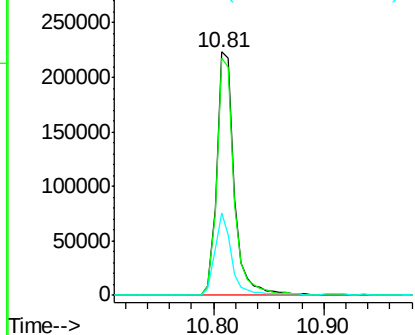
#41  
 2,4,6-Tribromophenol  
 Concen: 49.882 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-071818-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 31.6  | 29.9  | 44.9  |

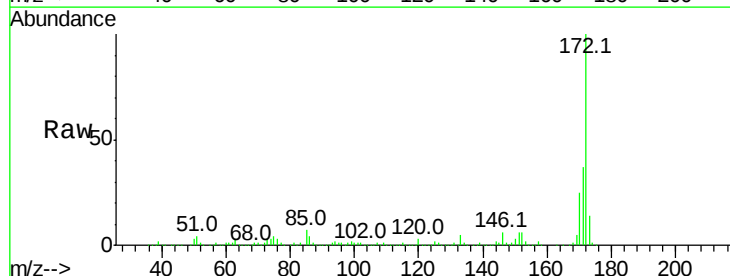


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

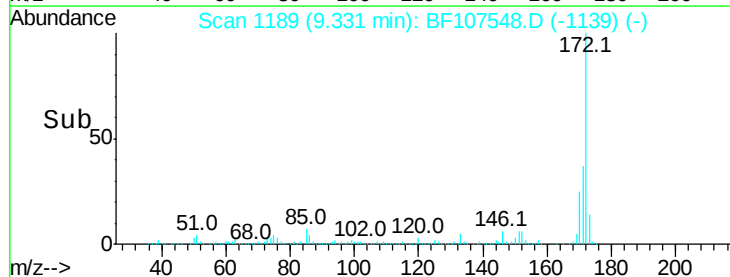
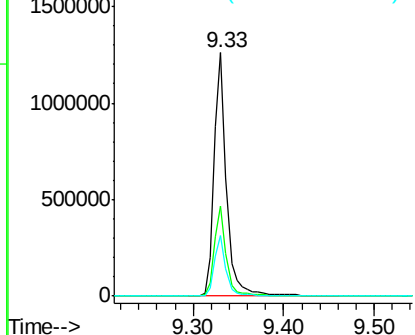


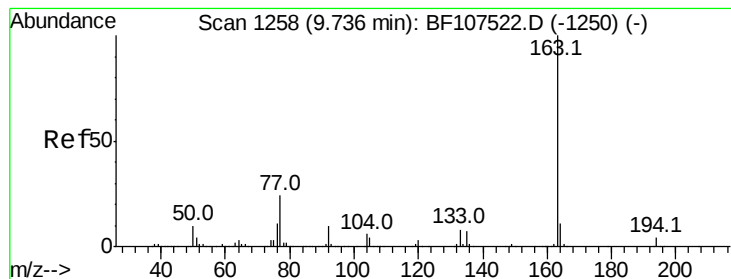
#44  
 2-Fluorobiphenyl  
 Concen: 40.164 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF107548.D  
 Acq: 21 Jul 2018 2:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.7  | 44.5  |
| 170     | 24.8  | 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: 3.776 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA\_F

ClientSampleId :

EO-02-071818-B

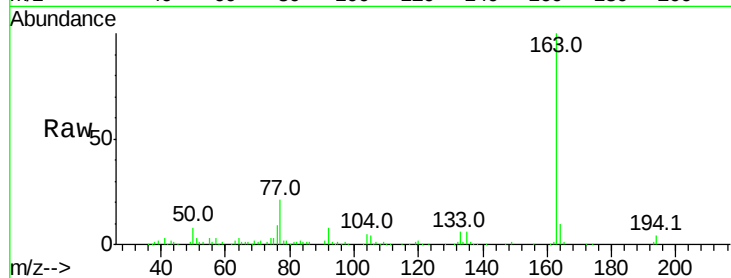
Tot Ion:163 Resp: 124140

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

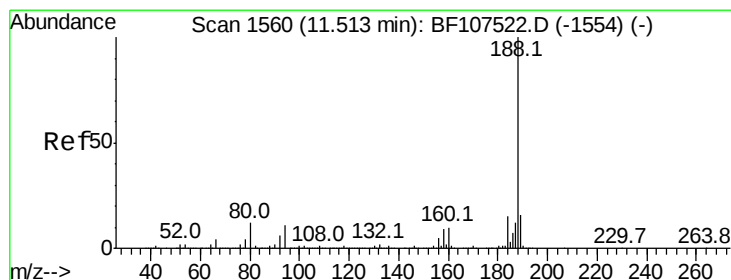
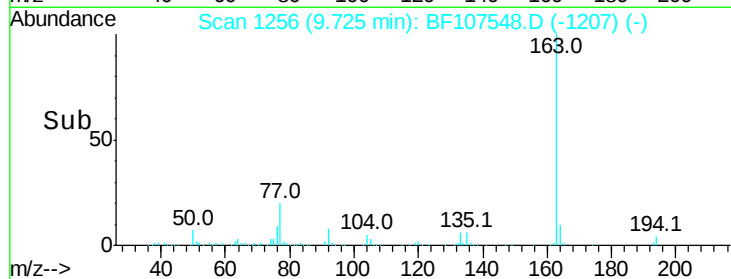
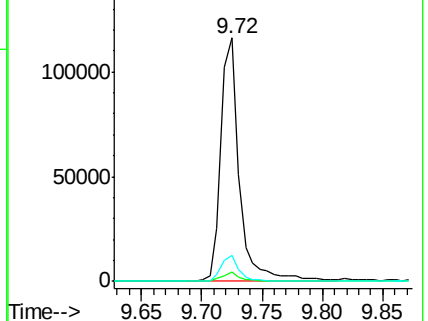
164 10.4 8.2 12.2



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: 11.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

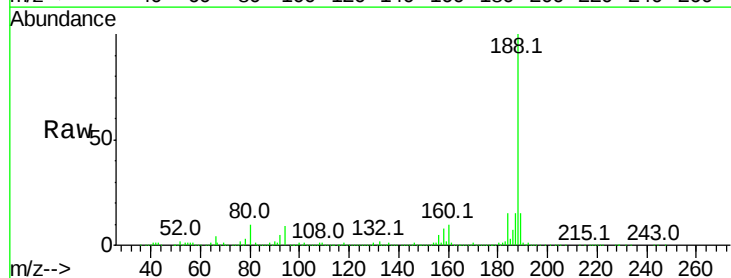
Tgt Ion:188 Resp: 790859

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

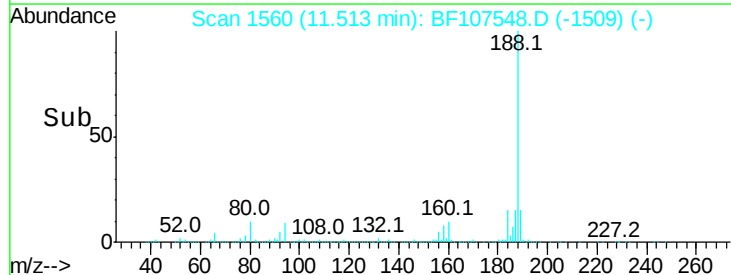
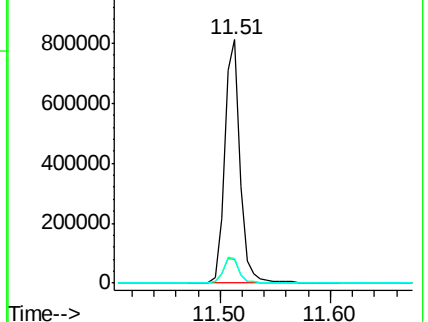
80 10.0 9.2 13.8

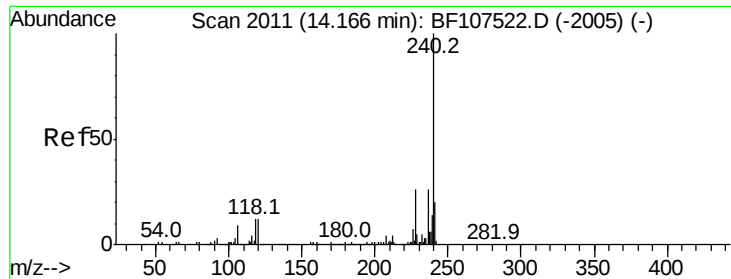


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

Instrument :

BNA\_F

ClientSampleId :

EO-02-071818-B

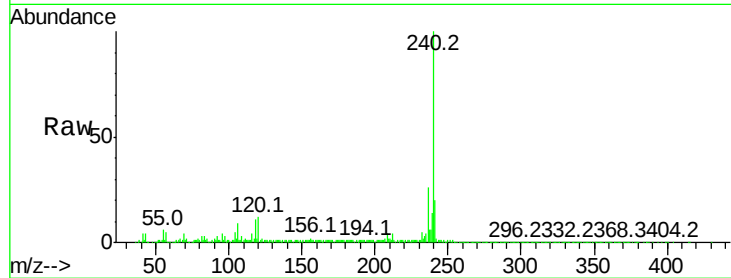
Tot Ion:240 Resp: 727300

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

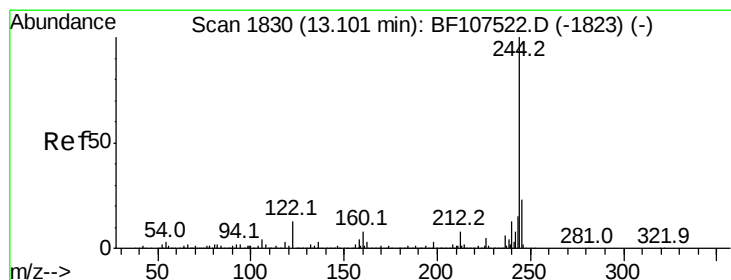
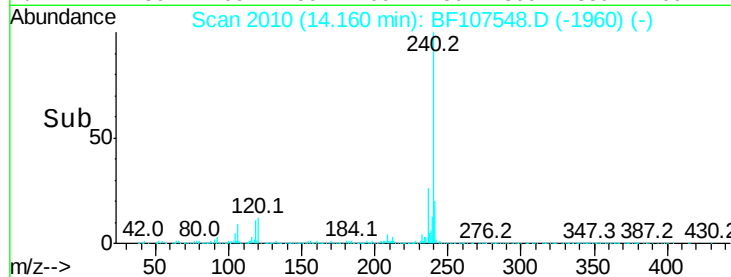
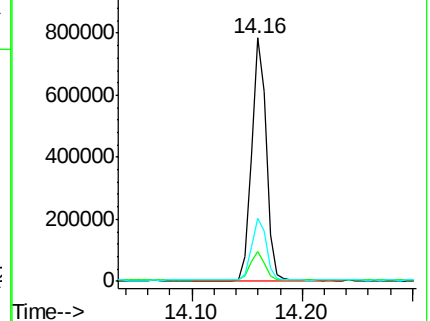
236 25.9 20.7 31.1



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: 39.051 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107548.D

Acq: 21 Jul 2018 2:16

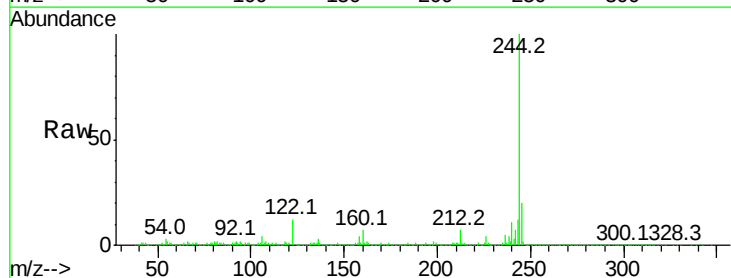
Tgt Ion:244 Resp: 1109418

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

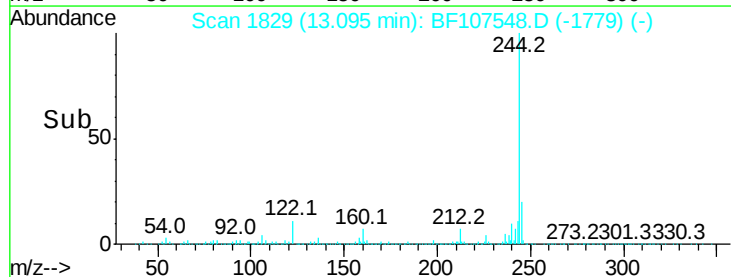
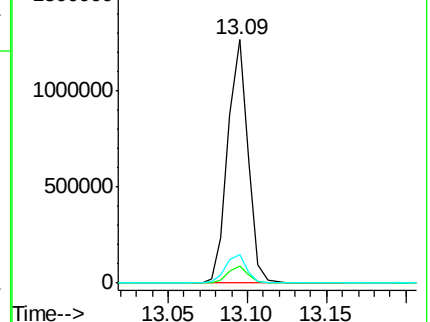
122 11.6 11.0 16.4

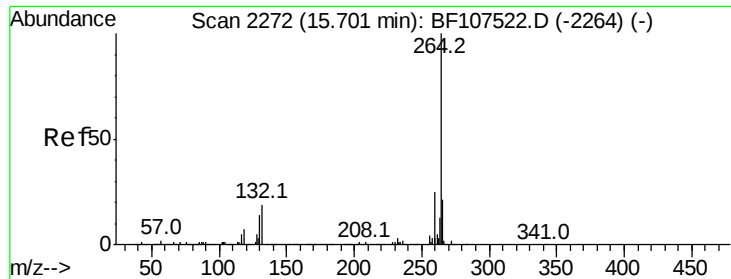


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

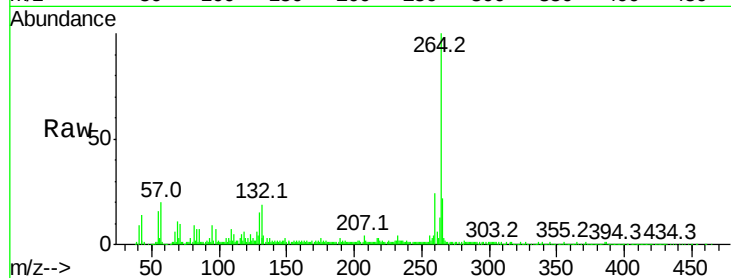




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.70 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: BF107548.D  
Acq: 21 Jul 2018 2:16

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-071818-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 22.3  | 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

