

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\  
 Data File : BF107480.D  
 Acq On : 18 Jul 2018 16:27  
 Operator : JU/SJ  
 Sample : J4008-01 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KG-FM1026

Quant Time: Jul 18 18:16:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 11:55:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 113501   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.27  | 136  | 416698   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.03 | 164  | 178435   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.54 | 188  | 237556   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12            | 14.18 | 240  | 247021   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.72 | 264  | 265311   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 44904    | 6.01  | ng    | -0.01    |
| 7) Phenol-d6                | 6.60  | 99   | 35493    | 3.67  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 87225    | 11.16 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.83 | 330  | 16198    | 10.33 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 174349   | 6.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.11 | 244  | 105168   | 10.58 | ng    | 0.00     |

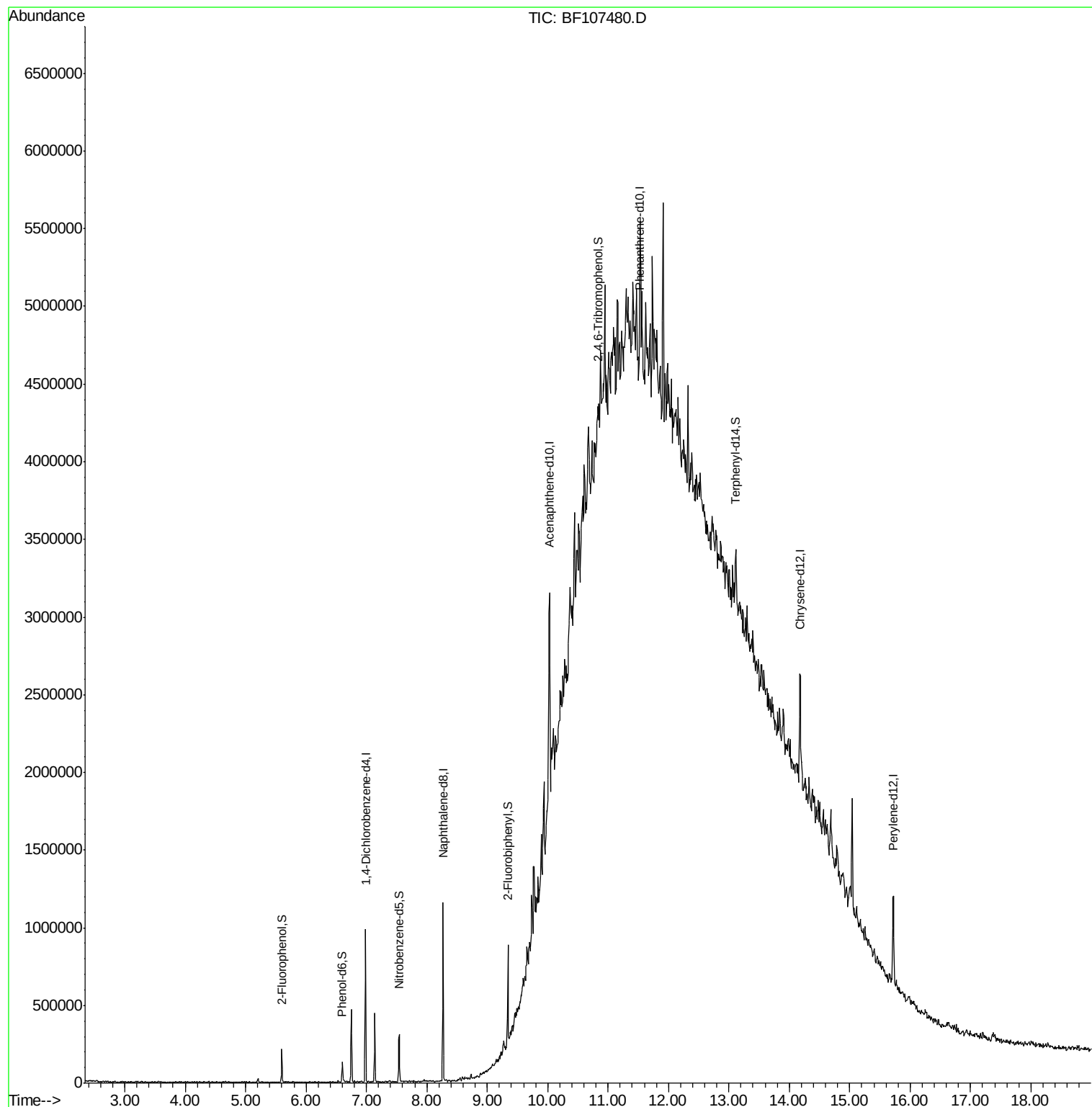
Target Compounds Qvalue

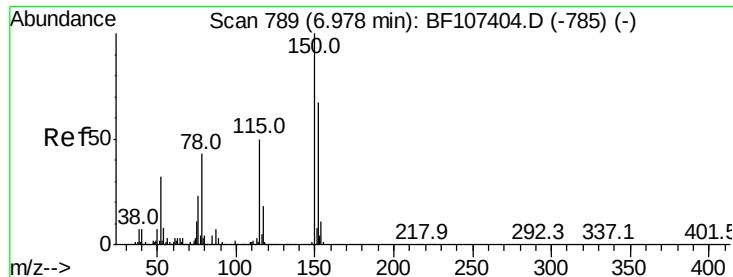
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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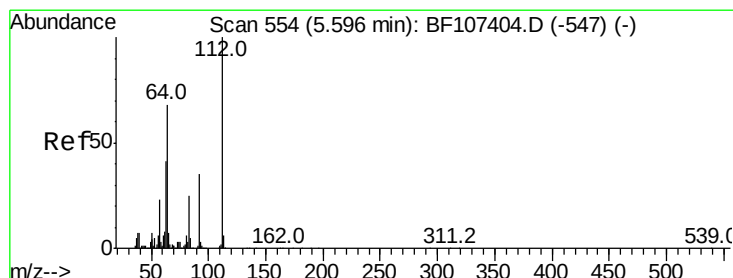
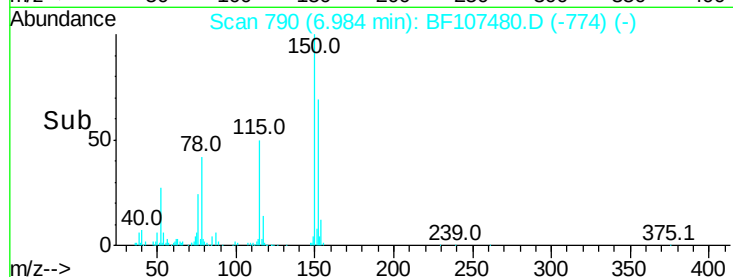
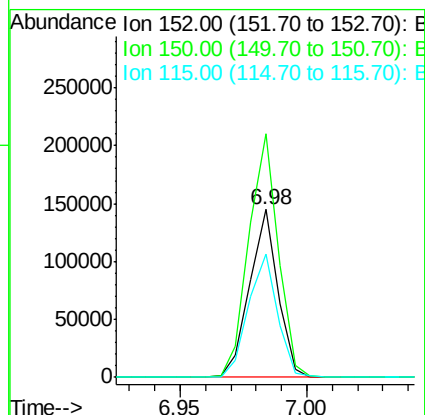
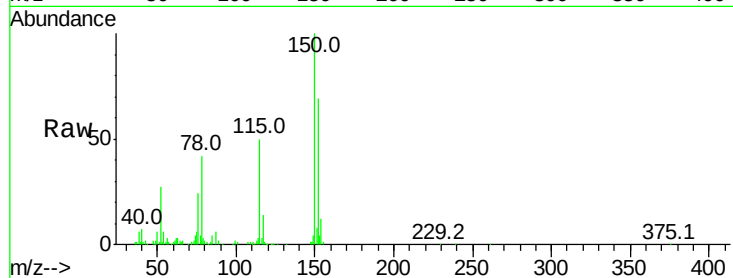


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF107480.D  
Acq: 18 Jul 2018 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
KG-FM1026

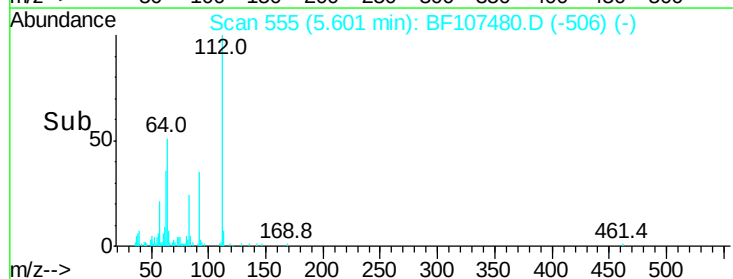
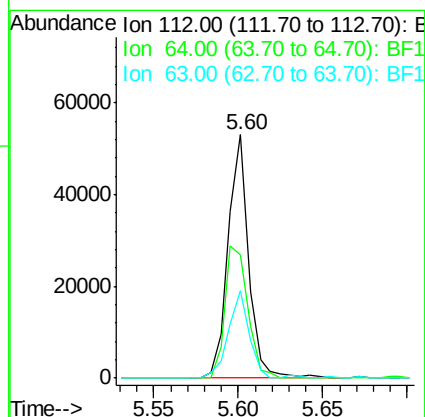
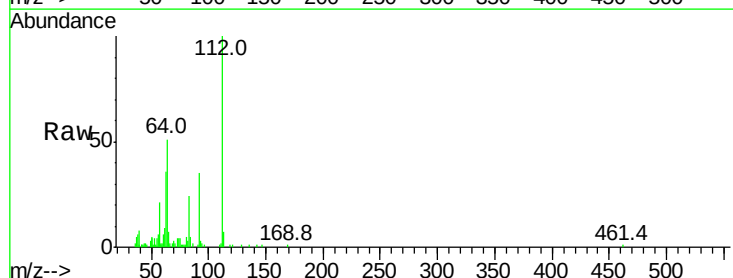
Tot Ion:152 Resp: 113501  
Ion Ratio Lower Upper  
152 100  
150 145.2 124.6 186.8  
115 73.2 50.1 75.1

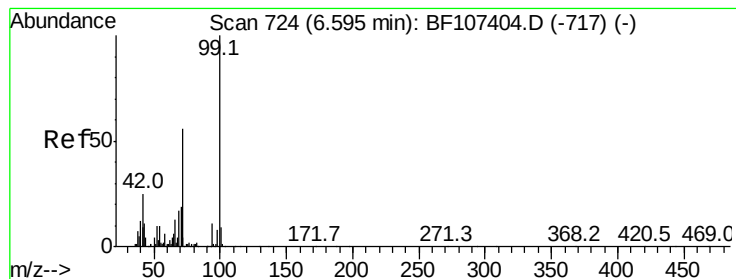


#5

2-Fluorophenol  
Concen: 6.009 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.01 min  
Lab File: BF107480.D  
Acq: 18 Jul 2018 16:27

Tgt Ion:112 Resp: 44904  
Ion Ratio Lower Upper  
112 100  
64 50.9 47.9 71.9  
63 35.7 23.7 35.5#





#7

Phenol-d6

Concen: 3.673 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

Instrument :

BNA\_F

ClientSampled :

KG-FM1026

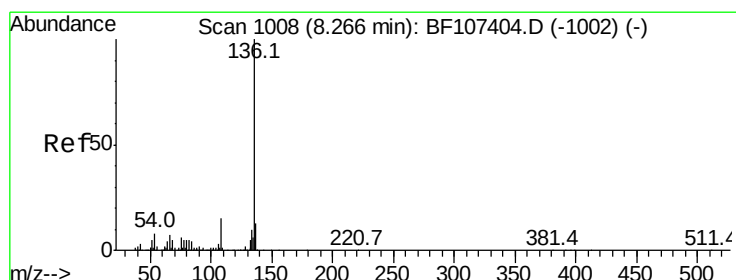
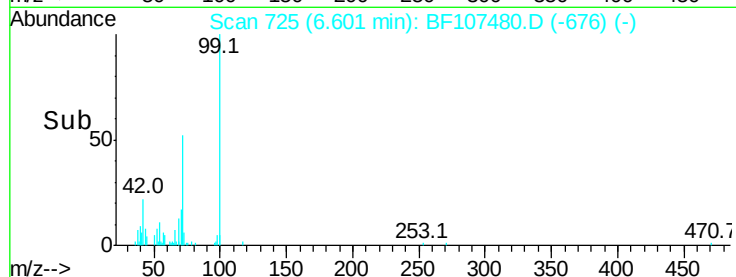
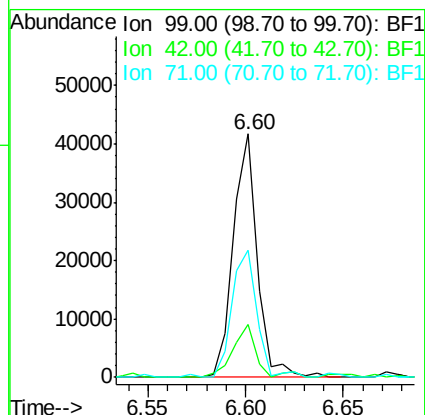
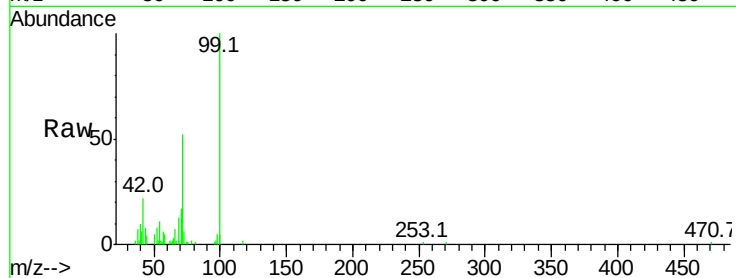
Tot Ion: 99 Resp: 35493

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

71 52.5 25.4 38.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

Tgt Ion: 136 Resp: 416698

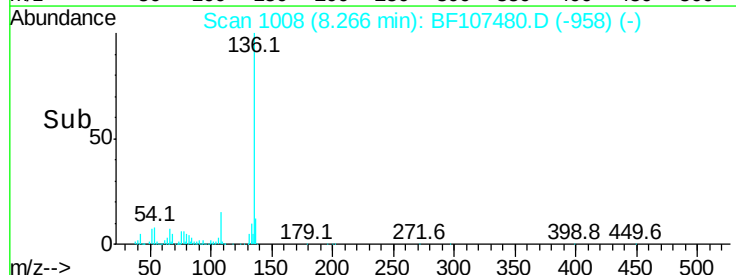
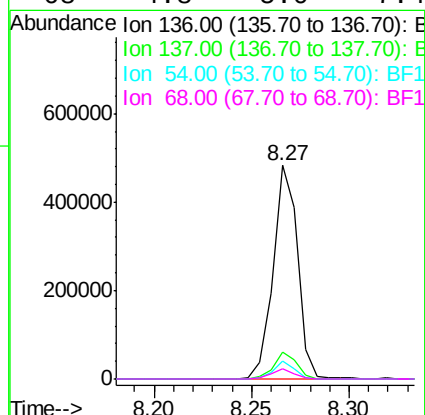
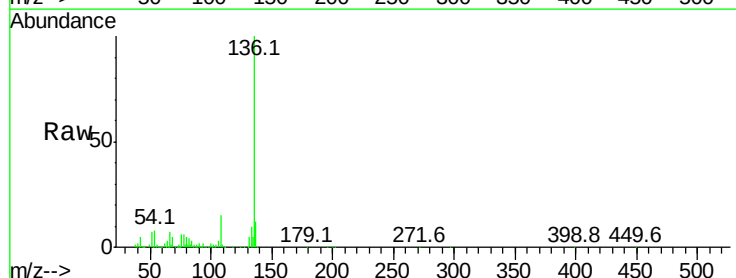
Ion Ratio Lower Upper

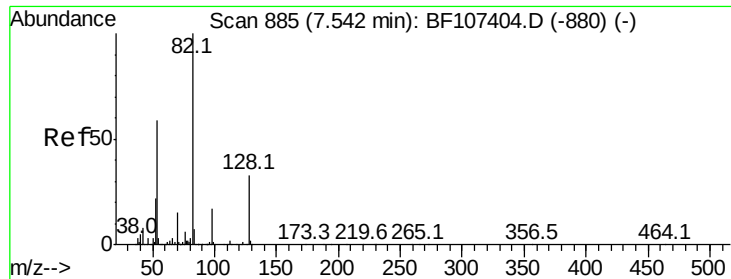
136 100

137 12.4 8.9 13.3

54 8.4 6.6 9.8

68 4.8 5.0 7.4#

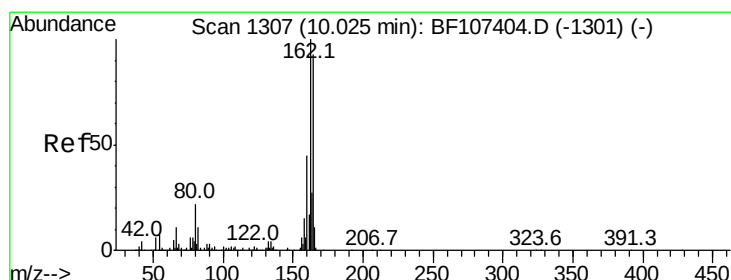
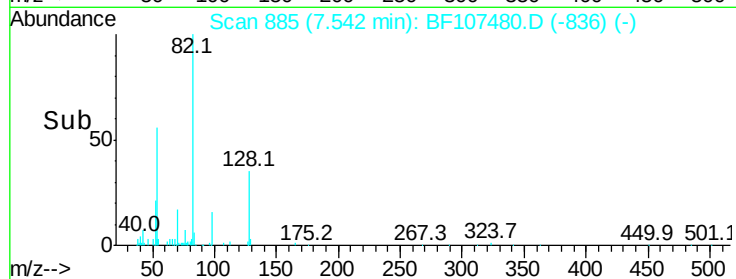
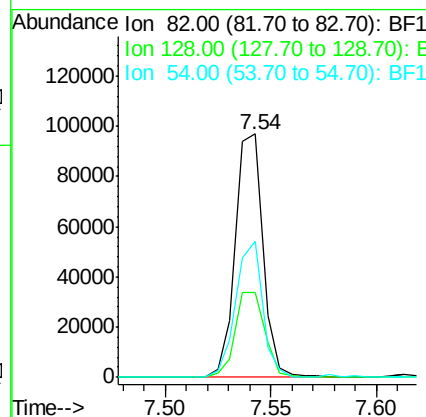
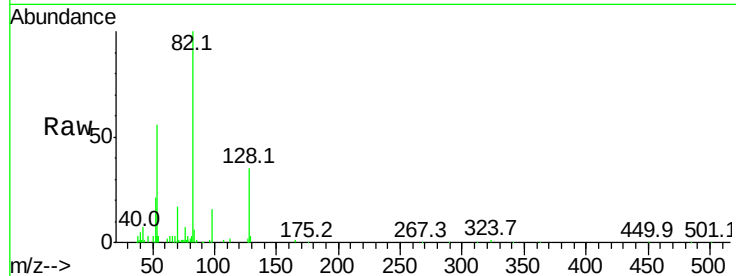




#23  
 Nitrobenzene-d5  
 Concen: 11.162 ng  
 RT: 7.54 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF107480.D  
 Acq: 18 Jul 2018 16:27

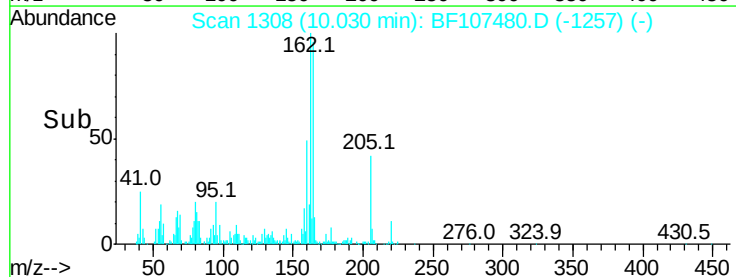
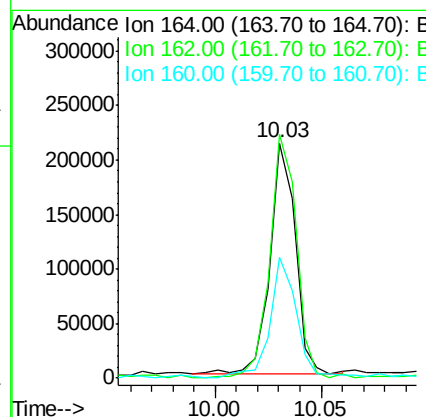
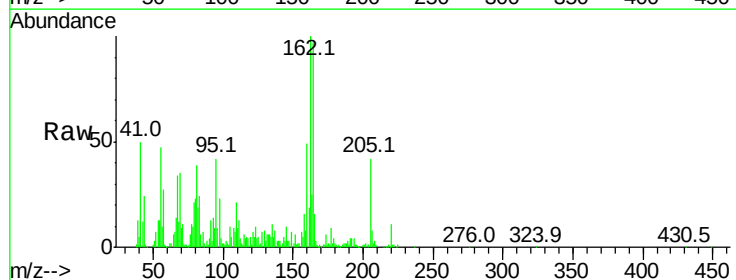
Instrument :  
 BNA\_F  
 ClientSampleId :  
 KG-FM1026

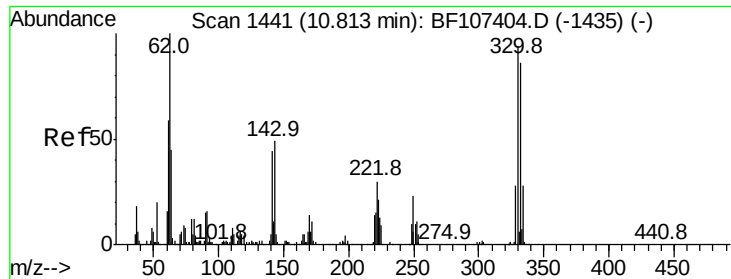
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.1  | 36.1  | 54.1# |
| 54      | 56.1  | 41.4  | 62.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.03 min Scan# 1308  
 Delta R.T. 0.00 min  
 Lab File: BF107480.D  
 Acq: 18 Jul 2018 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 86.1  | 129.1 |
| 160     | 51.1  | 38.3  | 57.5  |





#41

2,4,6-Tribromophenol

Concen: 10.332 ng

RT: 10.83 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

Instrument :

BNA\_F

ClientSampleId :

KG-FM1026

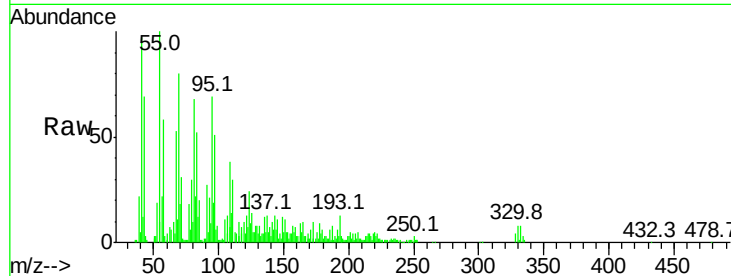
Tot Ion:330 Resp: 16198

Ion Ratio Lower Upper

330 100

332 103.7 77.0 115.6

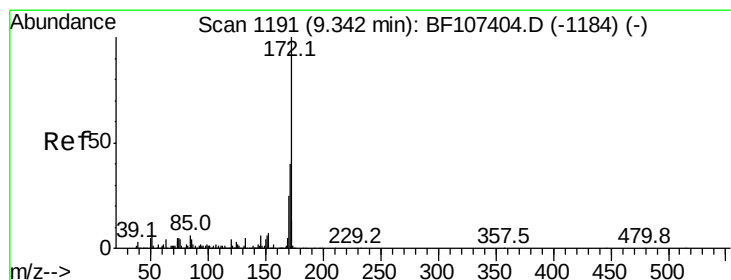
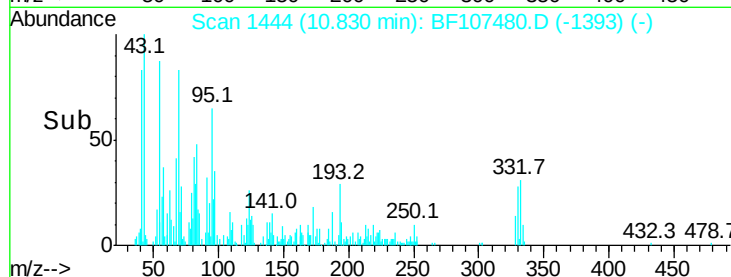
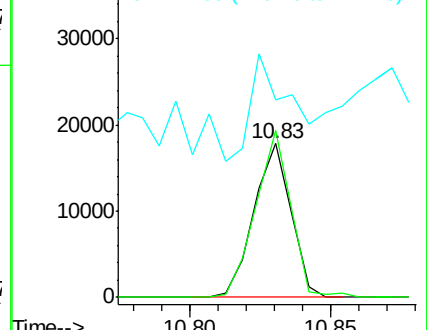
141 72.9 29.9 44.9#



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: 6.249 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

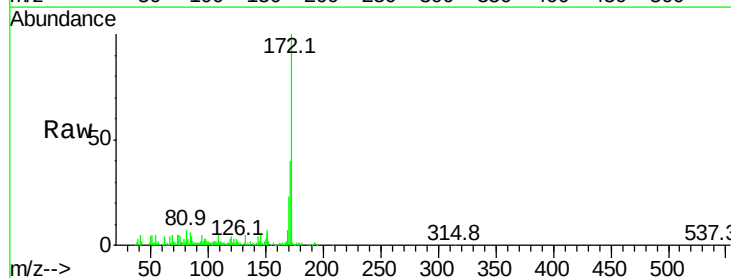
Tgt Ion:172 Resp: 174349

Ion Ratio Lower Upper

172 100

171 39.6 29.7 44.5

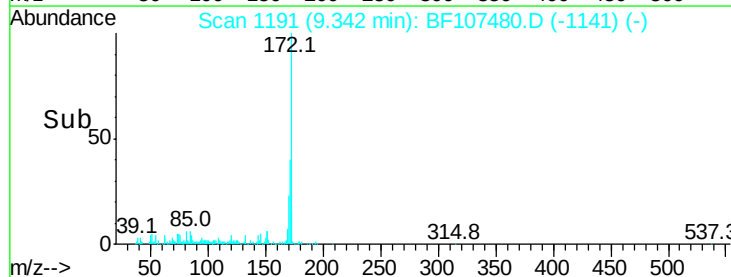
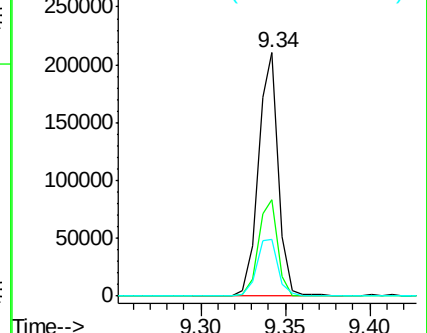
170 23.1 19.6 29.4

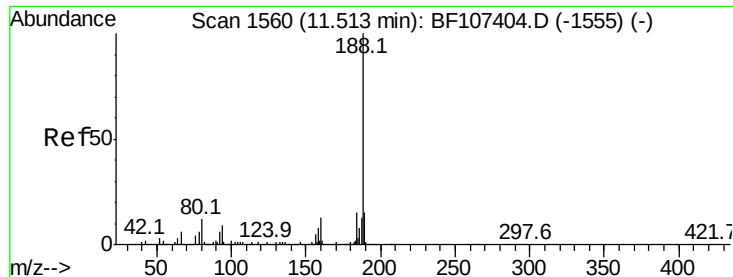


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

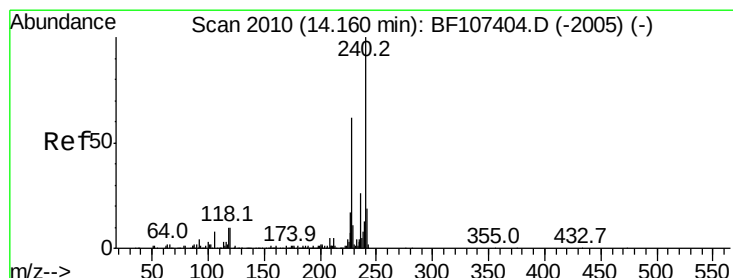
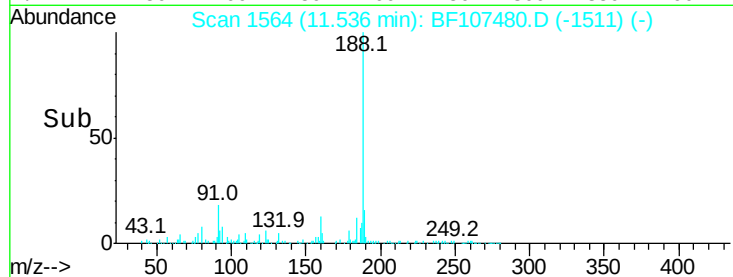
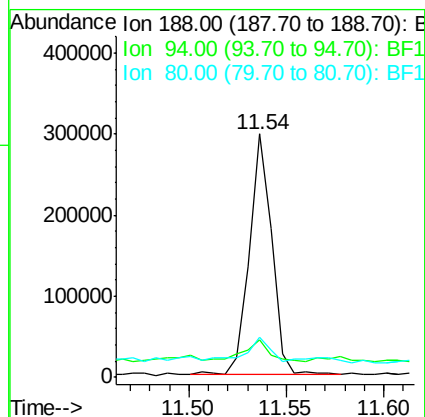
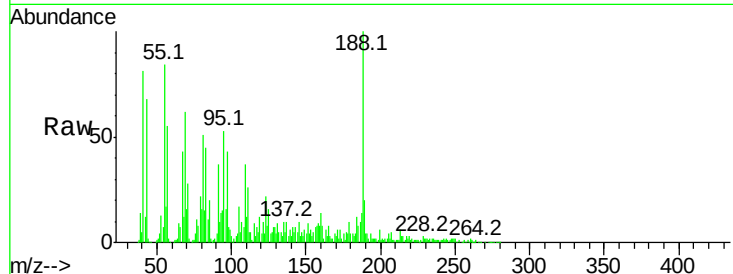




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. 0.01 min  
 Lab File: BF107480.D  
 Acq: 18 Jul 2018 16:27

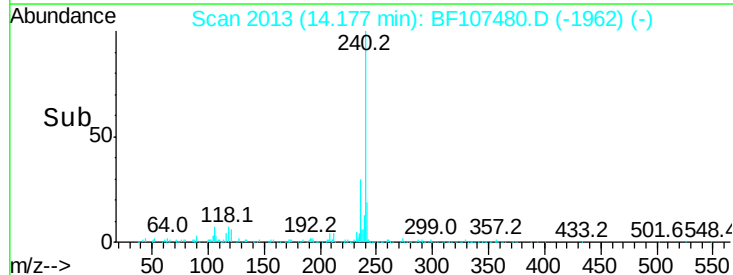
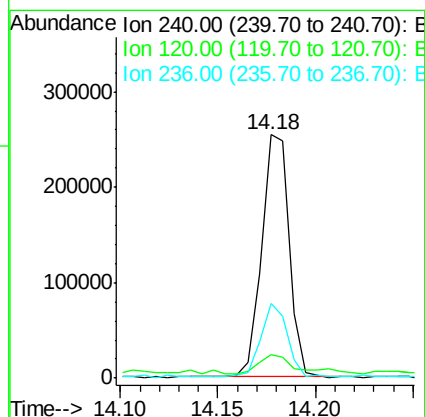
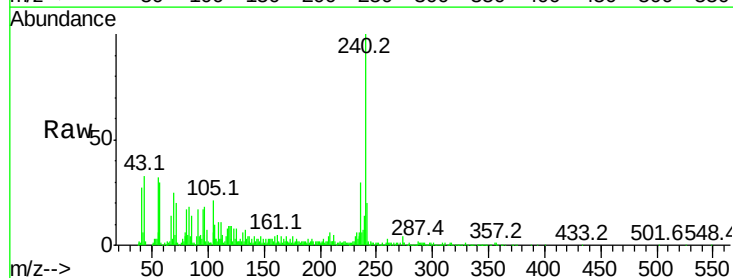
Instrument :  
 BNA\_F  
 ClientSampleId :  
 KG-FM1026

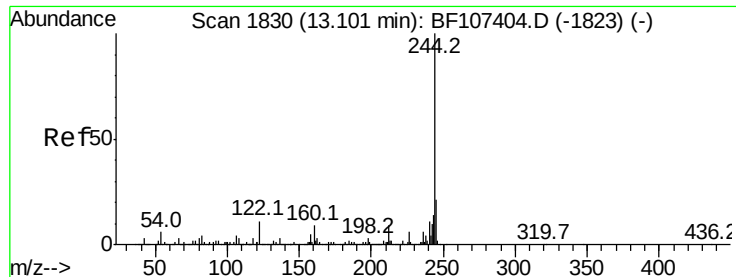
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 15.4  | 8.5   | 12.7# |
| 80      | 16.4  | 9.2   | 13.8# |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.18 min Scan# 2013  
 Delta R.T. 0.00 min  
 Lab File: BF107480.D  
 Acq: 18 Jul 2018 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.5   | 9.5   | 14.3# |
| 236     | 30.5  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 10.578 ng

RT: 13.11 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

Instrument :

BNA\_F

ClientSampleId :

KG-FM1026

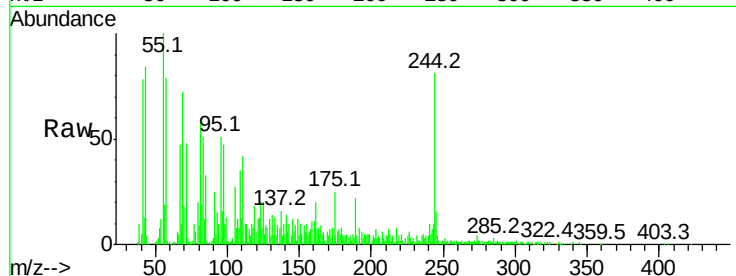
Tot Ion:244 Resp: 105168

Ion Ratio Lower Upper

244 100

212 8.9 5.4 8.0#

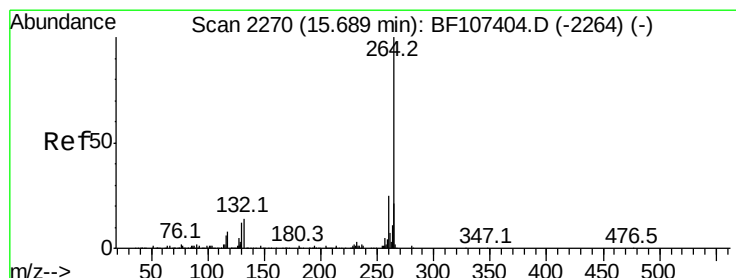
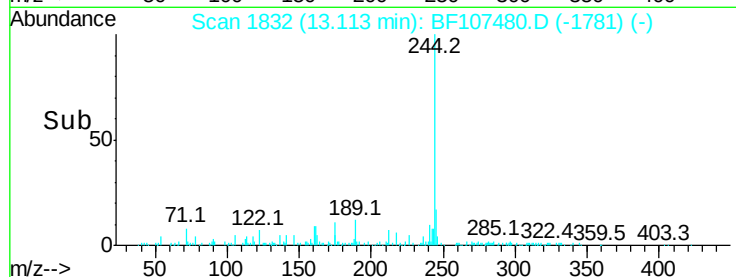
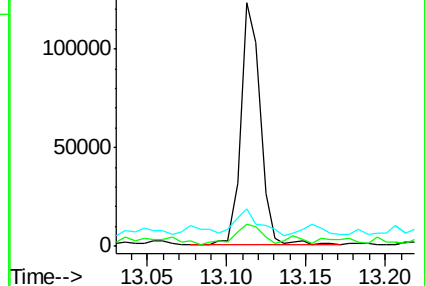
122 15.4 11.0 16.4



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: 15.72 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF107480.D

Acq: 18 Jul 2018 16:27

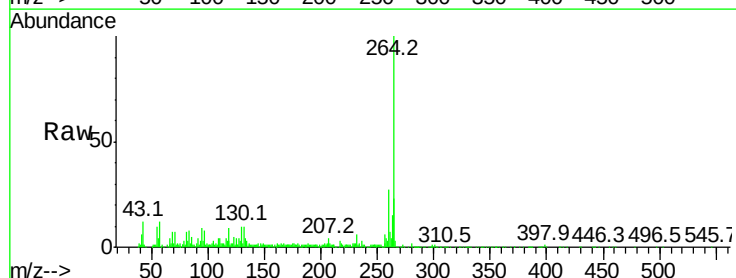
Tgt Ion:264 Resp: 265311

Ion Ratio Lower Upper

264 100

260 27.5 19.2 28.8

265 22.5 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

