

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
 Data File : BF103979.D  
 Acq On : 27 Mar 2018 19:29  
 Operator : JU/SJ  
 Sample : J2065-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-CV-2536

Quant Time: Mar 28 05:21:17 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

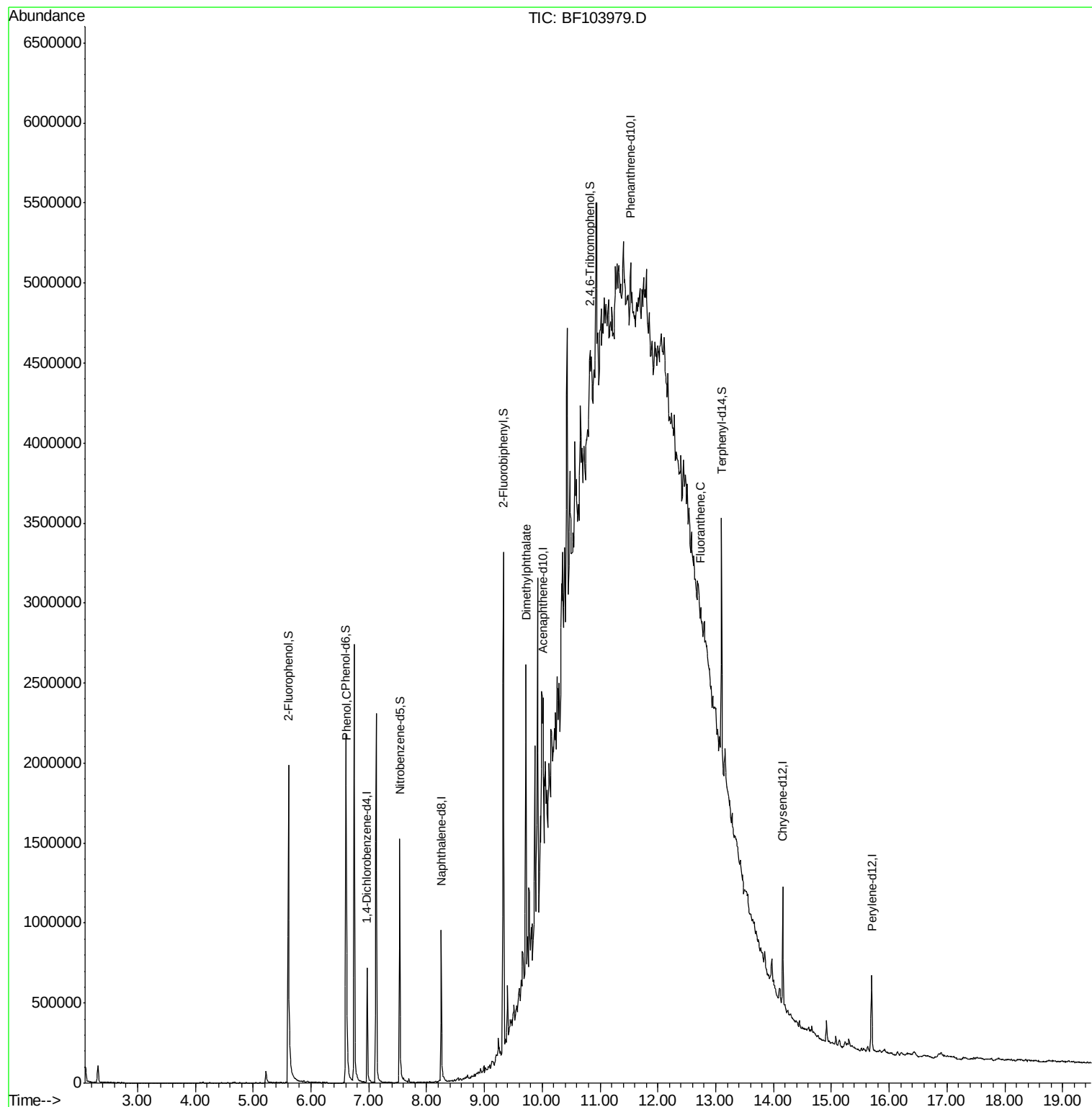
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 131700   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 521269   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.02 | 164  | 198416   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.53 | 188  | 180819   | 20.00  | ng    | 0.02     |
| 75) Chrysene-d12            | 14.16 | 240  | 240401   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.70 | 264  | 221220   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 921908   | 106.47 | ng    | 0.02     |
| 7) Phenol-d6                | 6.60  | 99   | 1115989  | 105.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 645368   | 86.34  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 158469   | 92.89  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1023172  | 82.26  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 656134   | 63.35  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.62  | 94   | 51662    | 4.589  | ng    | # 76     |
| 49) Dimethylphthalate       | 9.72  | 163  | 148399   | 9.803  | ng    | # 92     |
| 74) Fluoranthene            | 12.75 | 202  | 23091    | 2.266  | ng    | # 66     |

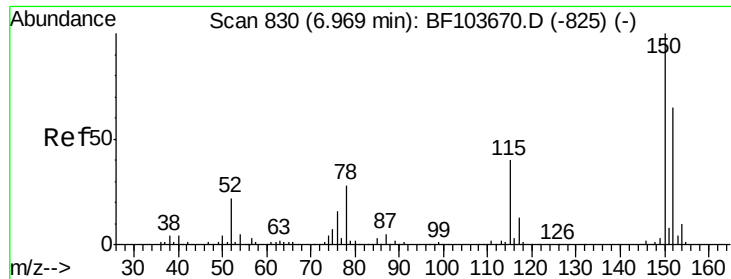
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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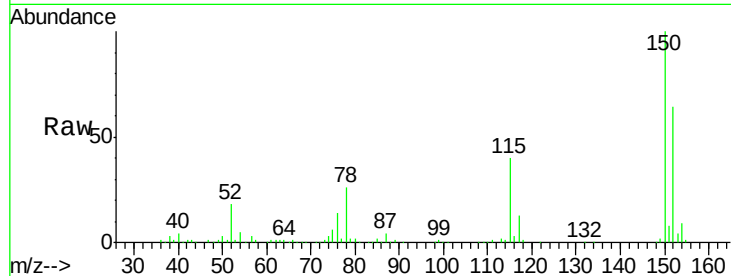


#1

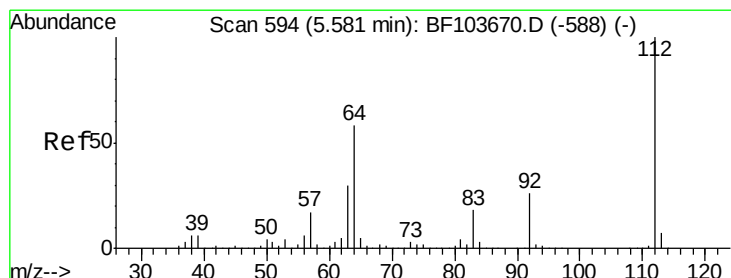
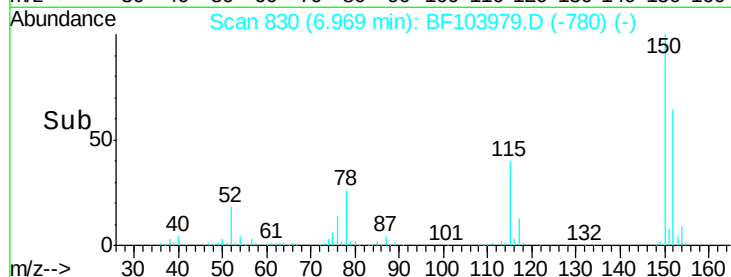
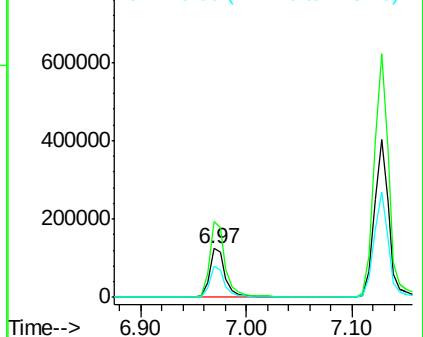
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RO-CV-2536

Tot Ion:152 Resp: 131700  
Ion Ratio Lower Upper  
152 100  
150 156.3 124.6 186.8  
115 62.9 50.1 75.1



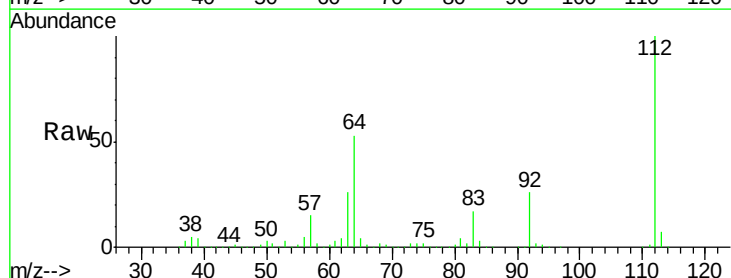
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



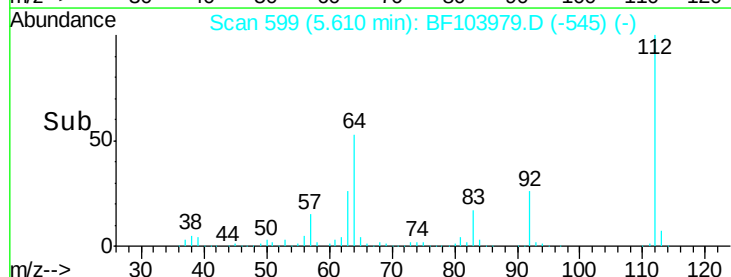
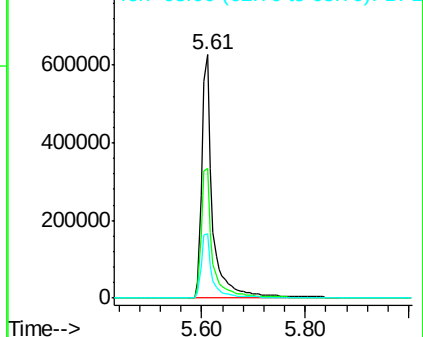
#5

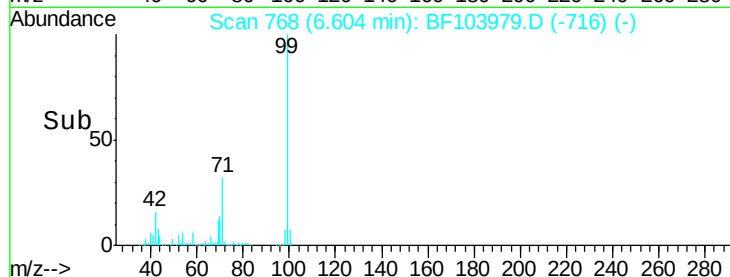
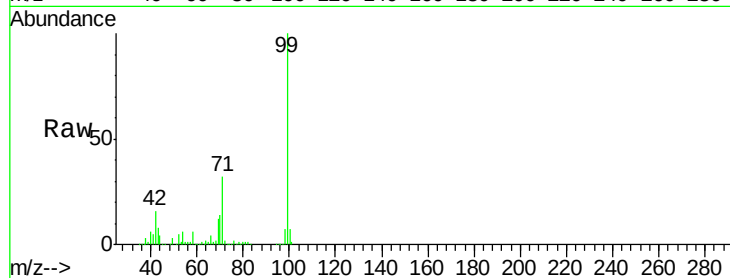
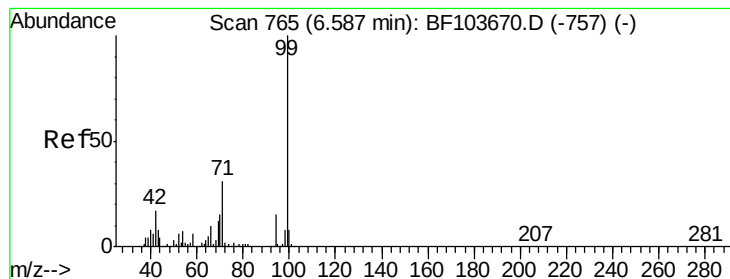
2-Fluorophenol  
Concen: 106.471 ng  
RT: 5.61 min Scan# 599  
Delta R.T. 0.02 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

Tgt Ion:112 Resp: 921908  
Ion Ratio Lower Upper  
112 100  
64 53.4 47.9 71.9  
63 26.4 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: 105.347 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA\_F

ClientSampleId :

RO-CV-2536

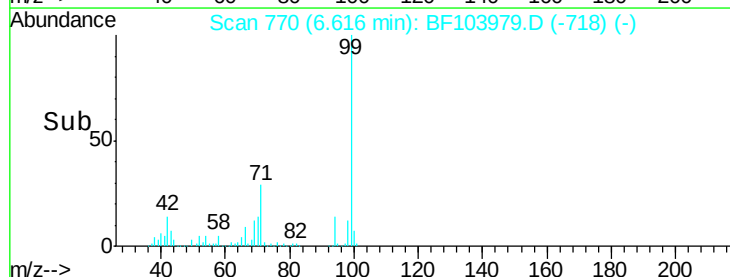
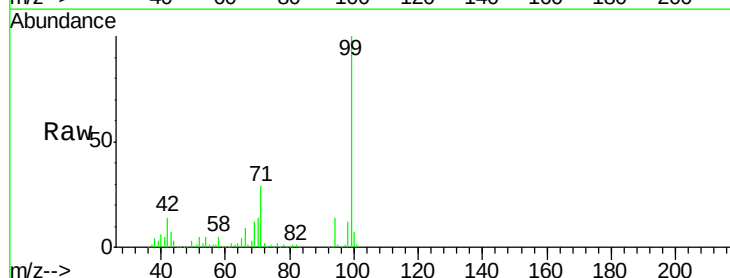
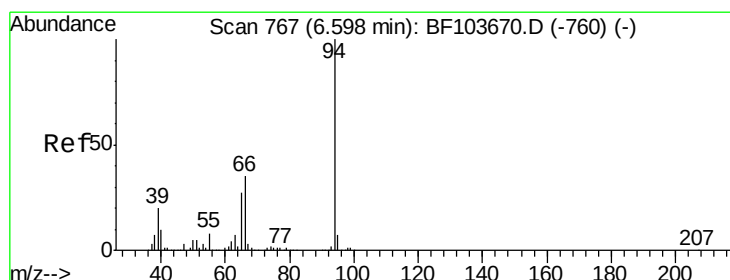
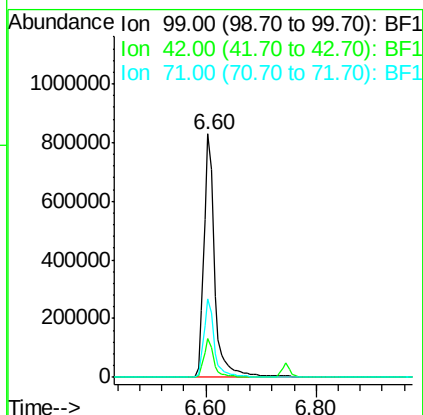
Tot Ion: 99 Resp: 1115989

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 4.589 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

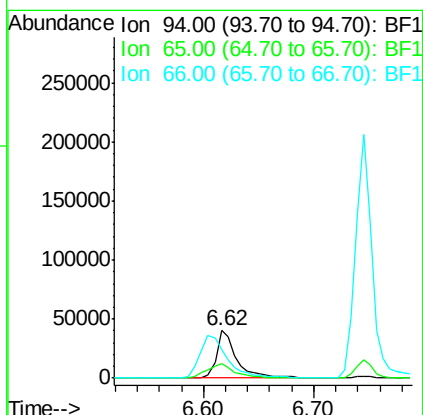
Tgt Ion: 94 Resp: 51662

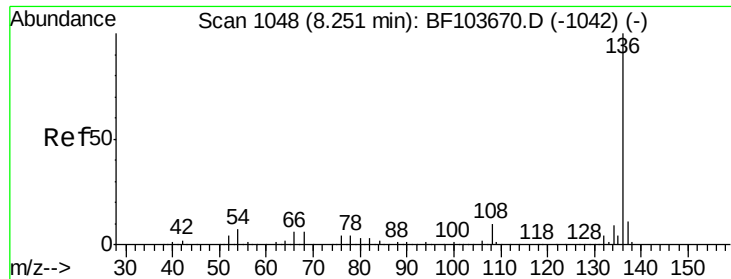
Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 59.4 16.2 56.2#

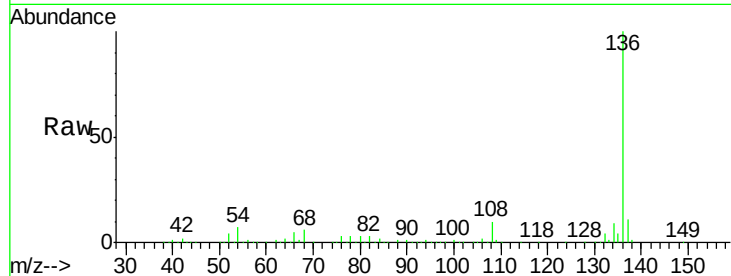




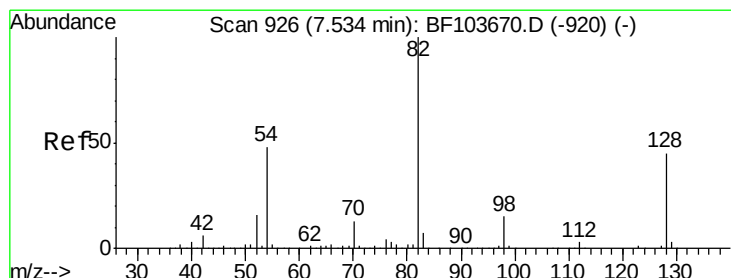
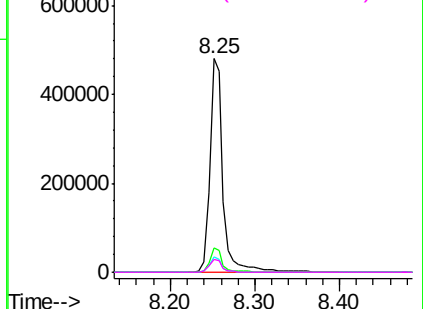
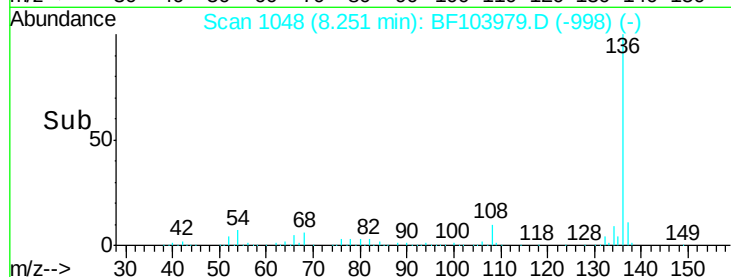
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RO-CV-2536

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 521269      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 8.9 13.3    |
| 54          | 7.1   | 6.6 9.8     |
| 68          | 6.2   | 5.0 7.4     |

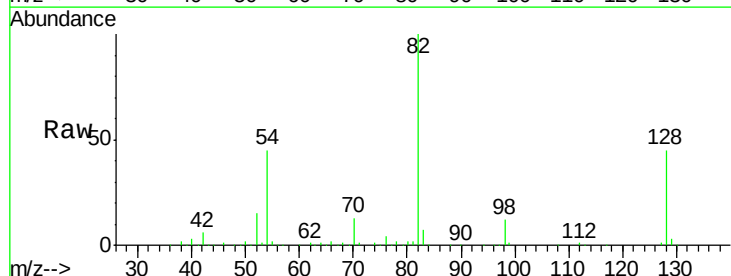


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

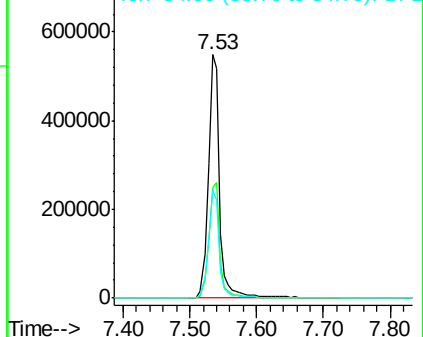
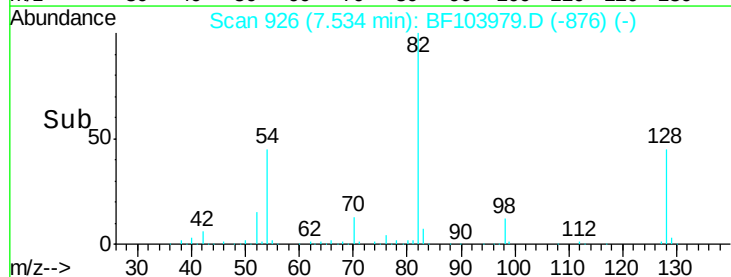


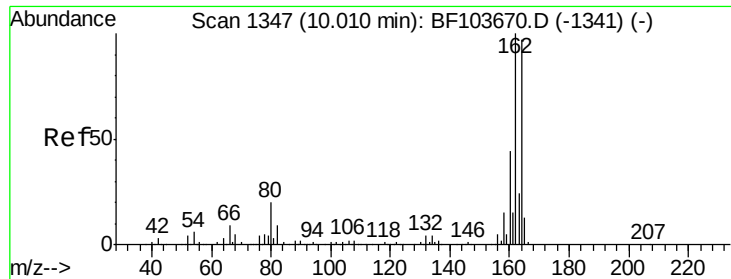
#23  
Nitrobenzene-d5  
Concen: 86.338 ng  
RT: 7.53 min Scan# 926  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 645368      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.3  | 36.1 54.1   |
| 54          | 44.5  | 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA\_F

ClientSampleId :

RO-CV-2536

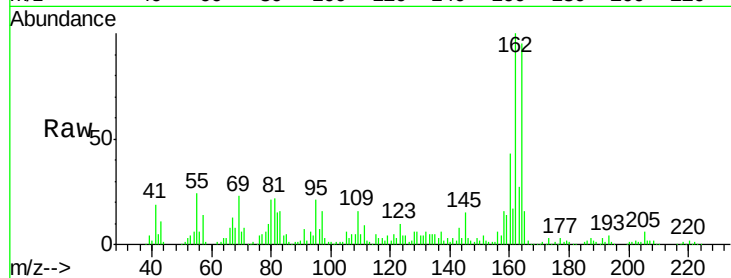
Tot Ion:164 Resp: 198416

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

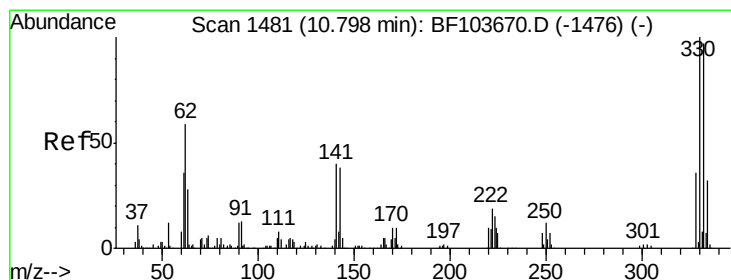
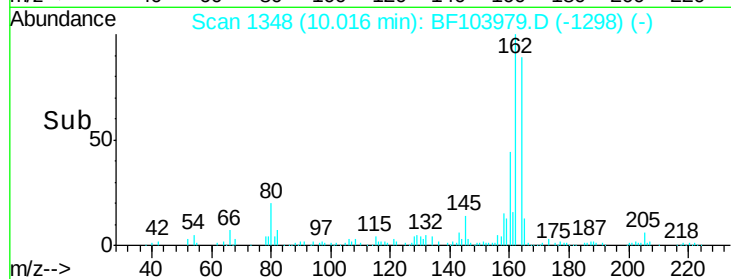
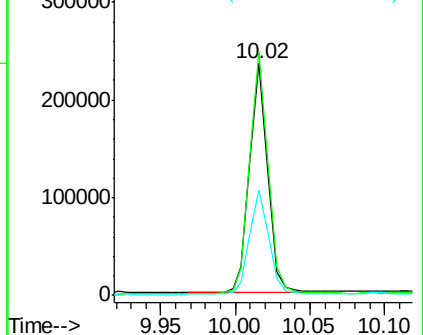
160 45.6 38.3 57.5



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: 92.890 ng

RT: 10.82 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

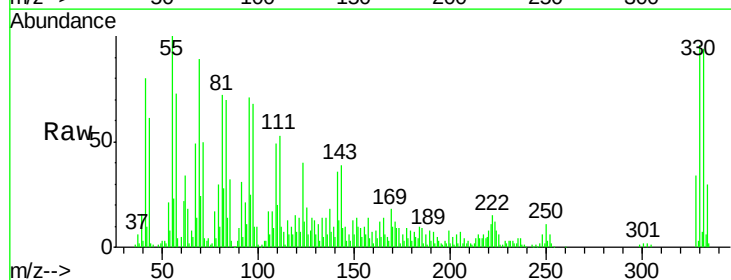
Tgt Ion:330 Resp: 158469

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

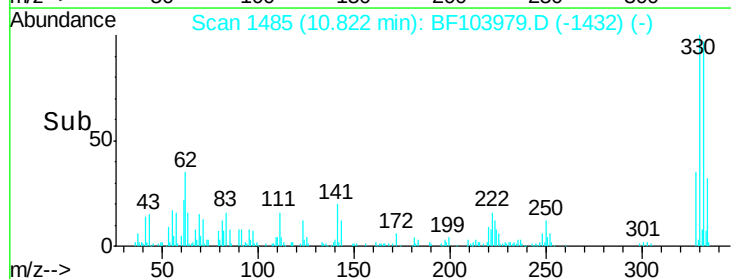
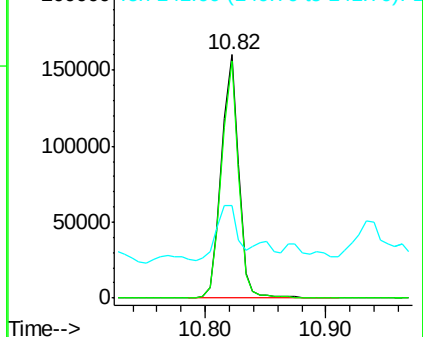
141 26.5 29.9 44.9#

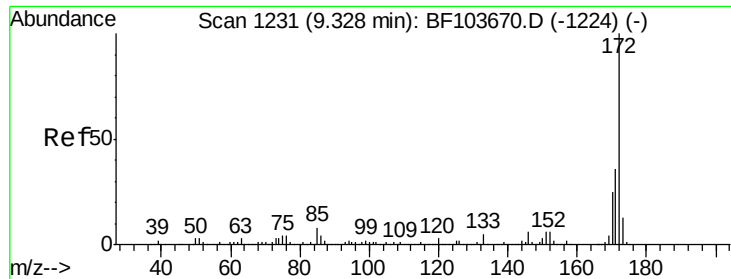


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



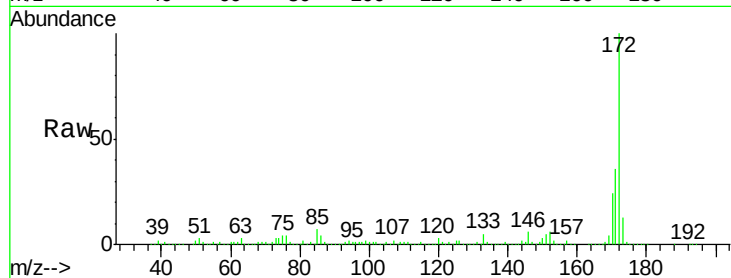


#44  
2-Fluorobiphenyl  
Concen: 82.257 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

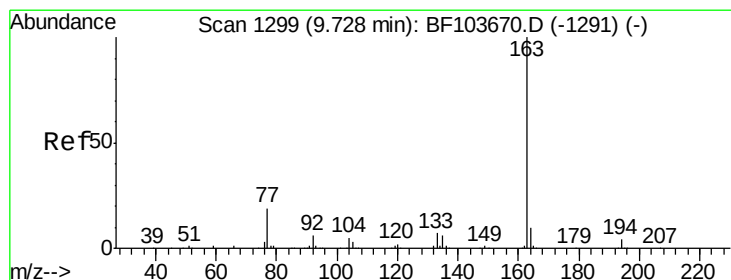
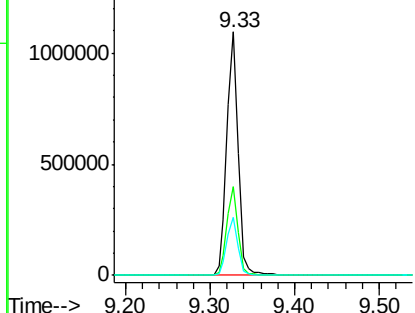
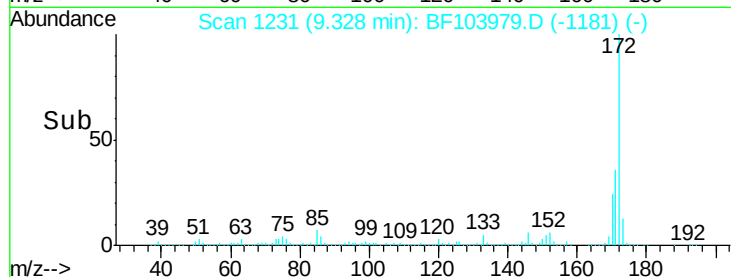
Instrument :  
BNA\_F  
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RO-CV-2536

Tot Ion:172 Resp: 1023172

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.7  | 44.5  |
| 170 | 23.9  | 19.6  | 29.4  |



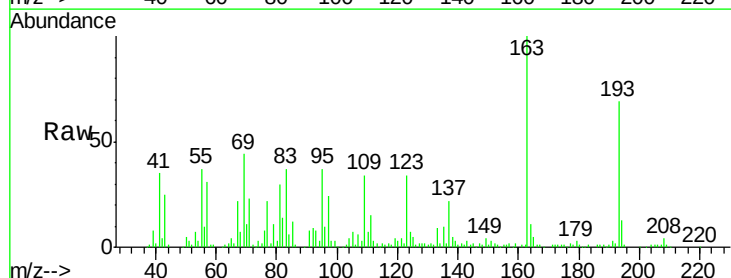
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



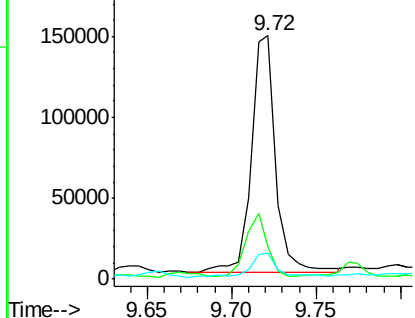
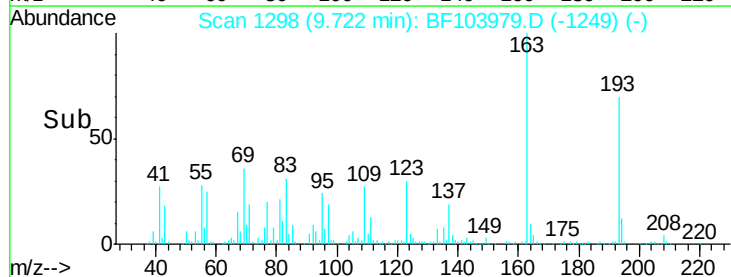
#49  
Dimethylphthalate  
Concen: 9.803 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

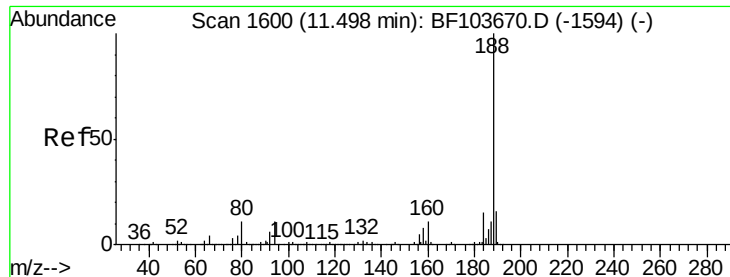
Tgt Ion:163 Resp: 148399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 13.1  | 2.7   | 4.1#  |
| 164 | 10.7  | 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: 11.53 min Scan# 1606

Delta R.T. 0.02 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA\_F

ClientSampleId :

RO-CV-2536

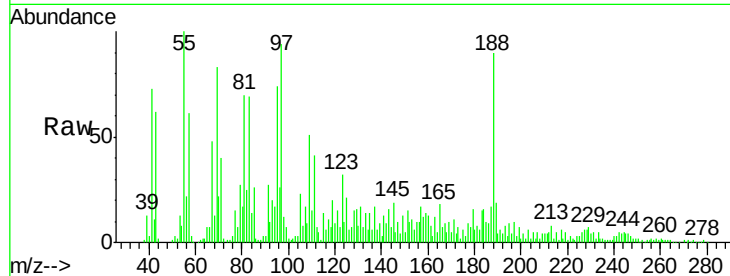
Tot Ion:188 Resp: 180819

Ion Ratio Lower Upper

188 100

94 18.4 8.5 12.7#

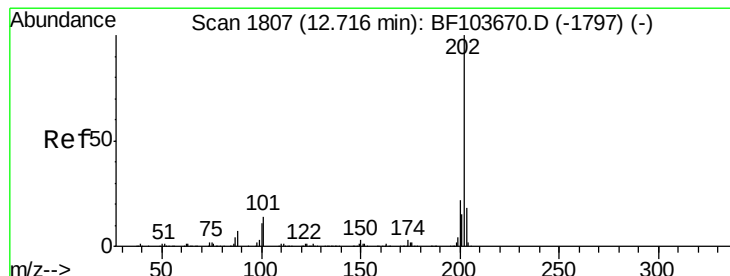
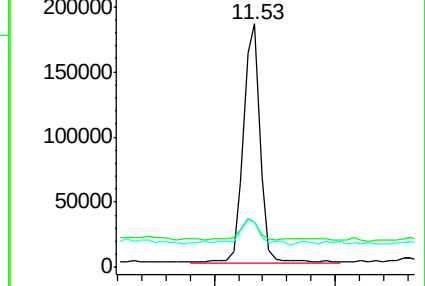
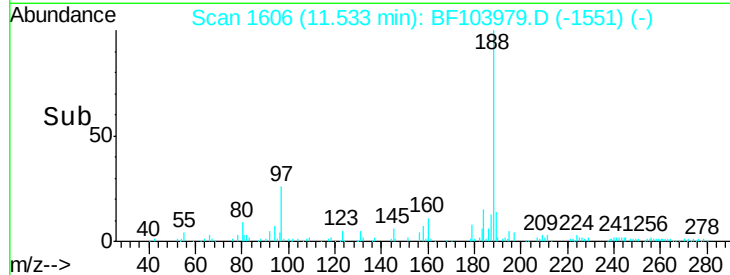
80 18.4 9.2 13.8#



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: 2.266 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

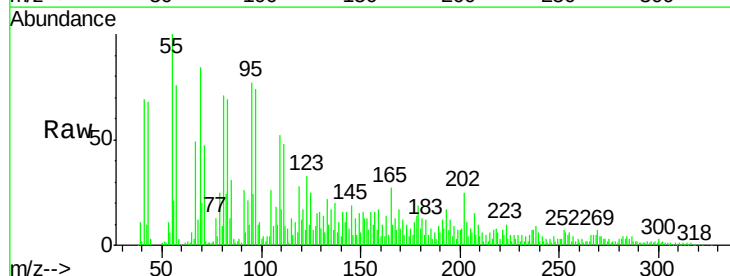
Tgt Ion:202 Resp: 23091

Ion Ratio Lower Upper

202 100

101 17.1 0.0 34.1

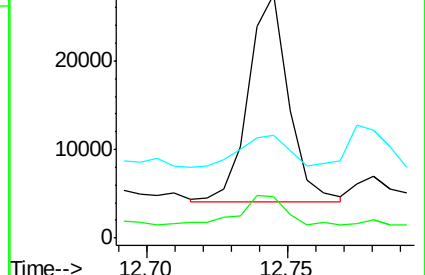
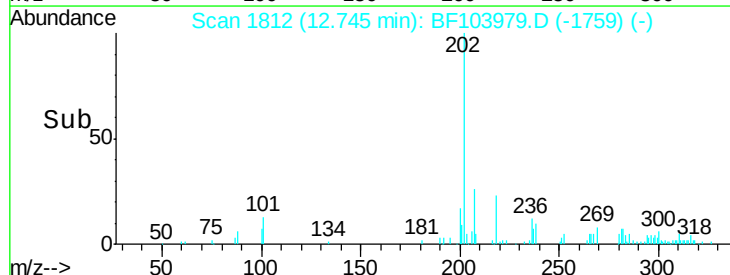
203 42.1 0.0 38.1#



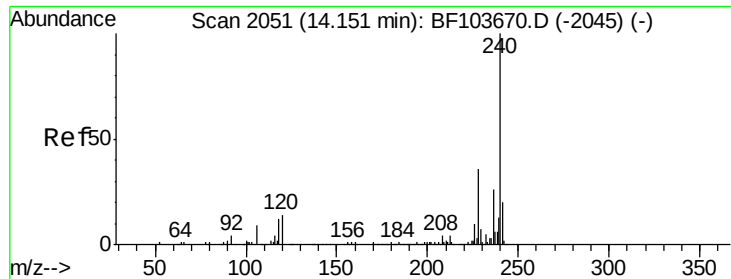
Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

Instrument :

BNA\_F

ClientSampleId :

RO-CV-2536

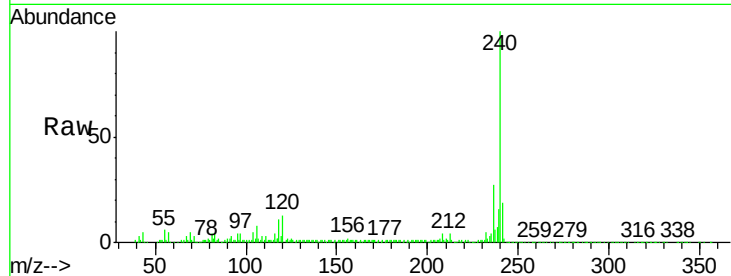
Tot Ion:240 Resp: 240401

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

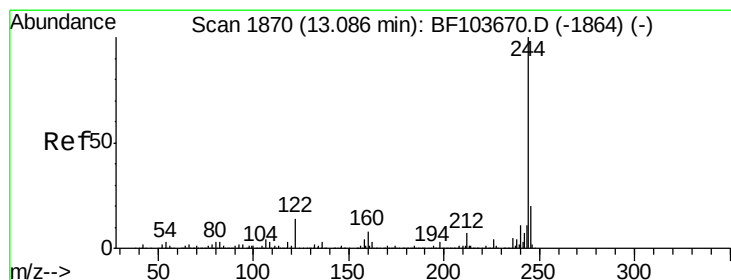
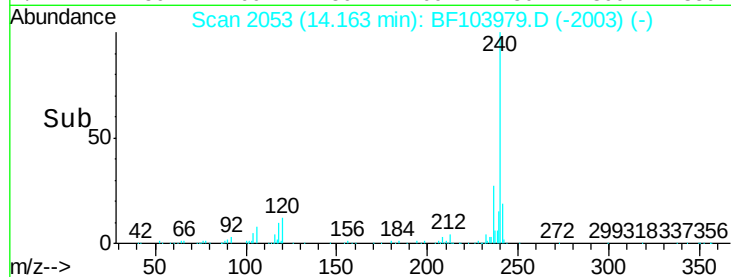
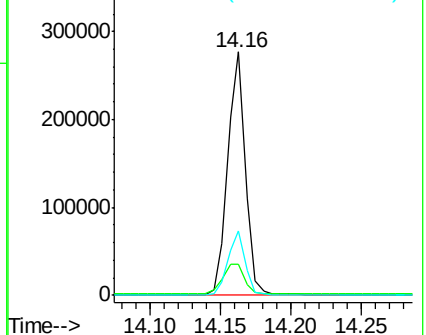
236 26.7 20.7 31.1



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: 63.352 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103979.D

Acq: 27 Mar 2018 19:29

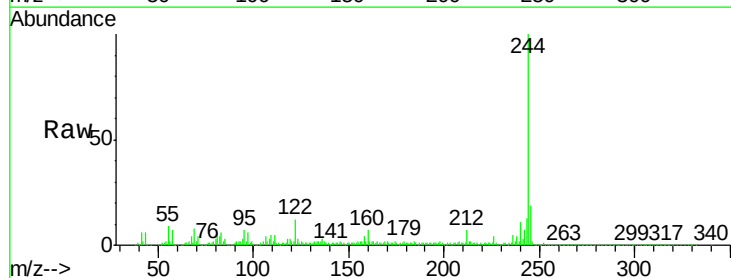
Tgt Ion:244 Resp: 656134

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

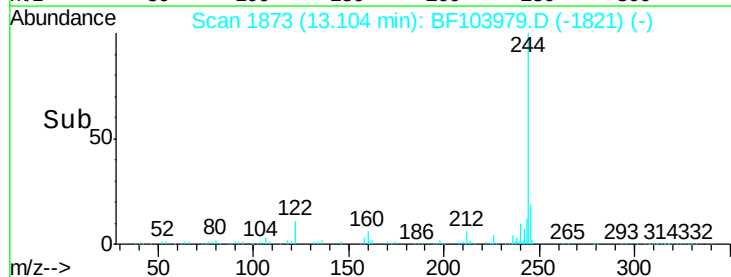
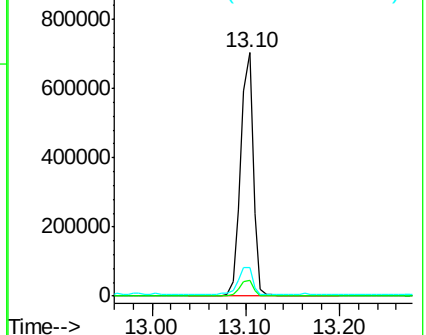
122 11.5 11.0 16.4

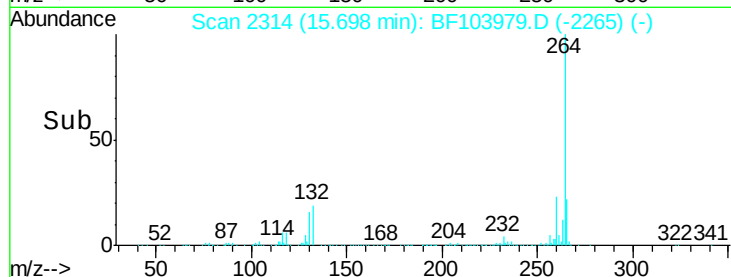
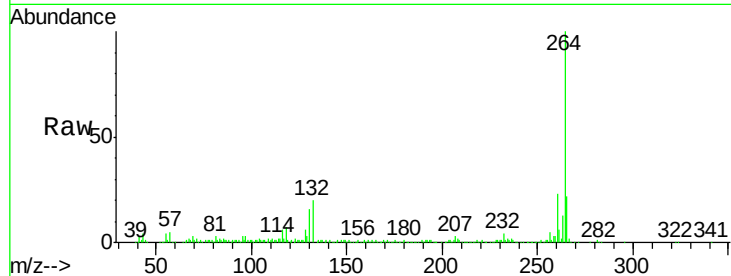
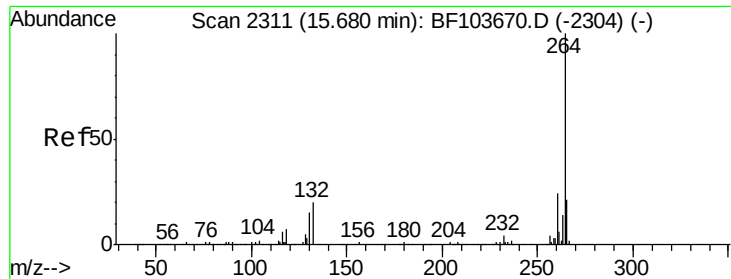


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2314  
Delta R.T. -0.01 min  
Lab File: BF103979.D  
Acq: 27 Mar 2018 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
RO-CV-2536

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.9  | 17.5  | 26.3  |

