

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\  
 Data File : BF104676.D  
 Acq On : 20 Apr 2018 16:08  
 Operator : JU/SJ  
 Sample : J2475-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

Quant Time: Apr 21 04:26:21 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 20 14:49:55 2018  
 Response via : Initial Calibration

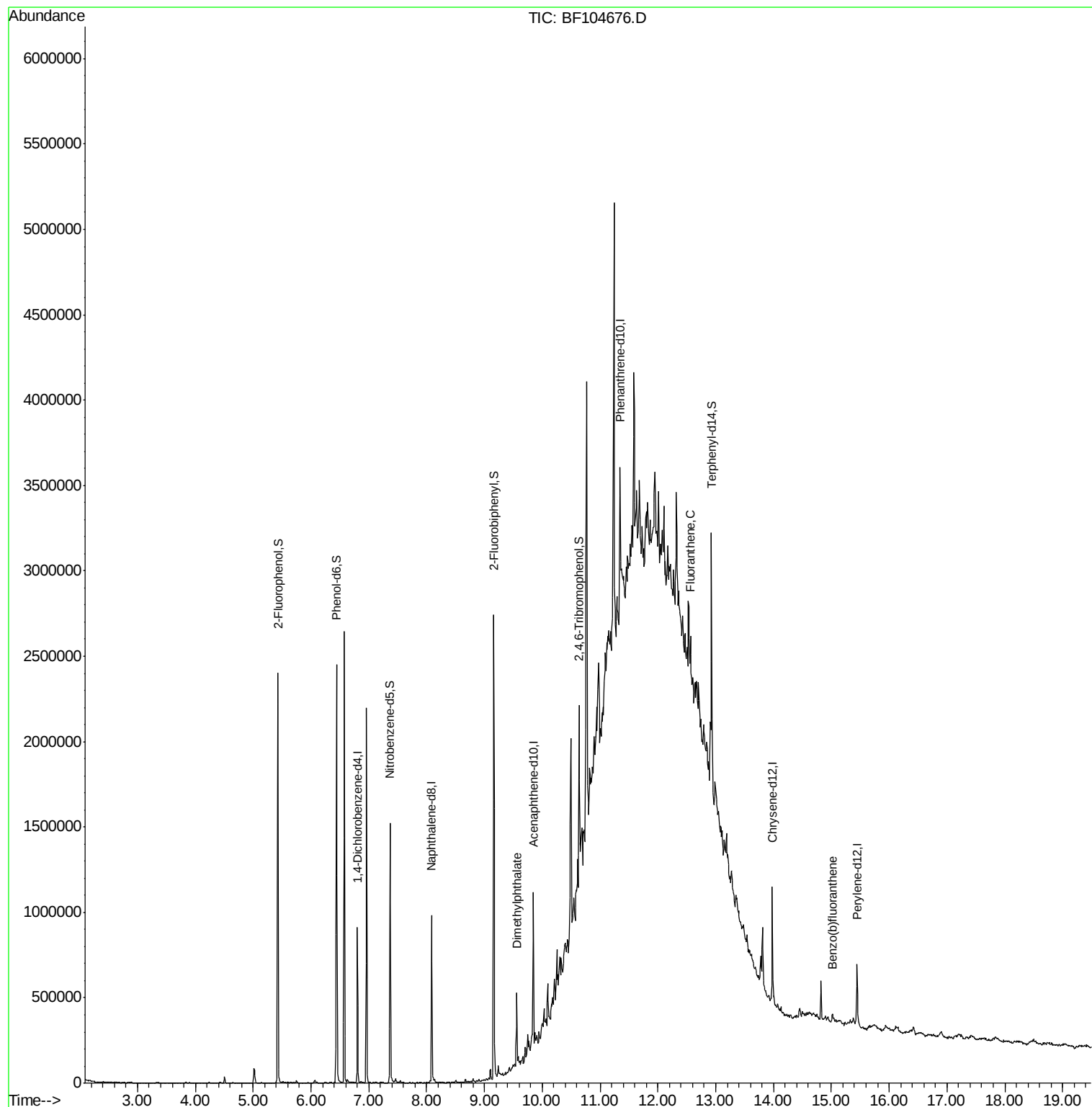
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 118168   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 423936   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 173057   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 208962   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 222641   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 163610   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 744023   | 96.27 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 877834   | 92.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 514934   | 79.31 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 156687   | 87.28 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 831644   | 75.92 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 622384   | 63.73 | ng    | 0.01     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.56  | 163  | 68972    | 5.054 | ng    | 98       |
| 74) Fluoranthene            | 12.56 | 202  | 27687    | 2.277 | ng    | 84       |
| 87) Benzo(b)fluoranthene    | 15.02 | 252  | 21477    | 2.078 | ng    | # 72     |

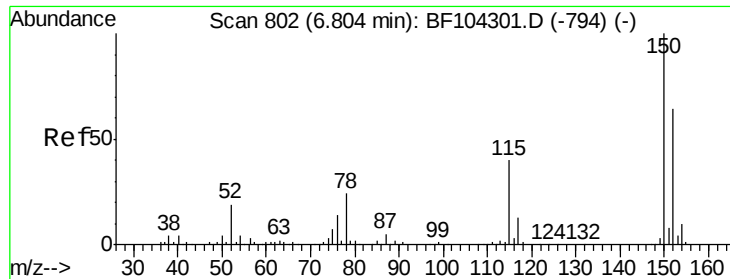
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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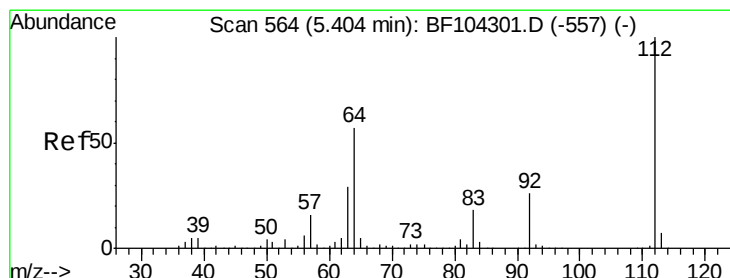
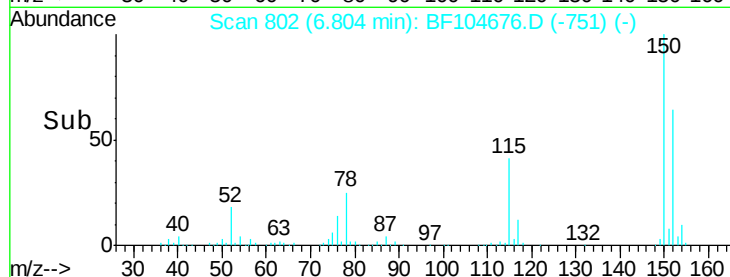
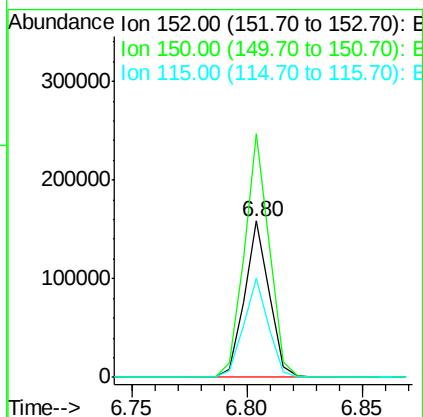
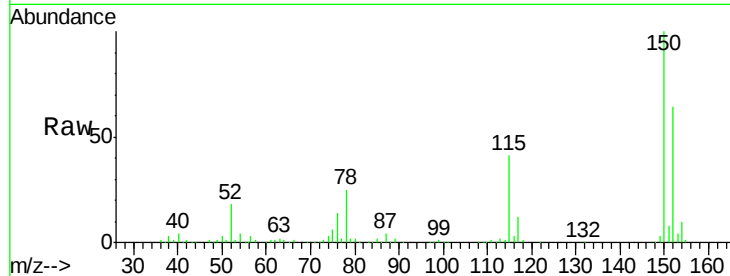


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104676.D  
Acq: 20 Apr 2018 16:08

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

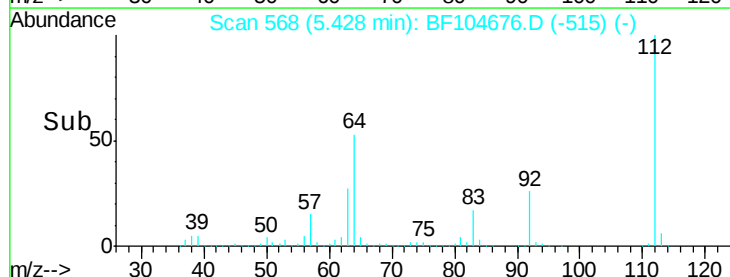
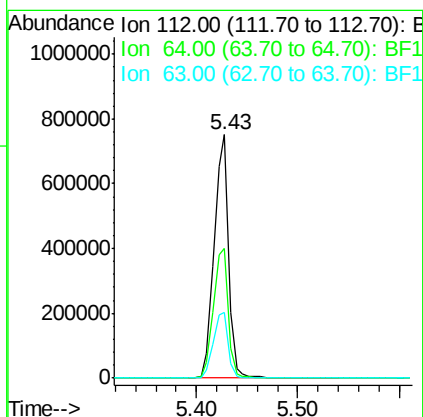
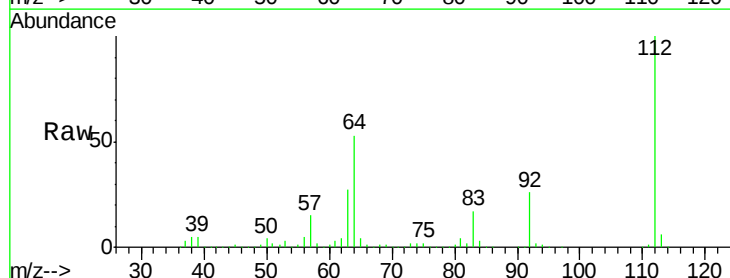
Tot Ion:152 Resp: 118168  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 63.2 50.1 75.1



#5

2-Fluorophenol  
Concen: 96.274 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF104676.D  
Acq: 20 Apr 2018 16:08

Tgt Ion:112 Resp: 744023  
Ion Ratio Lower Upper  
112 100  
64 53.0 47.9 71.9  
63 26.8 23.7 35.5





#7

Phenol-d6

Concen: 92.448 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

Instrument :

BNA\_F

ClientSampleId :

SB-02

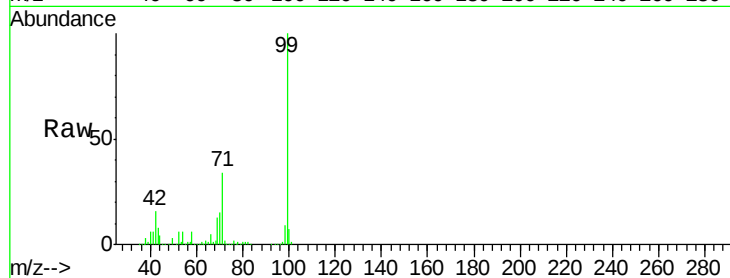
Tot Ion: 99 Resp: 877834

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

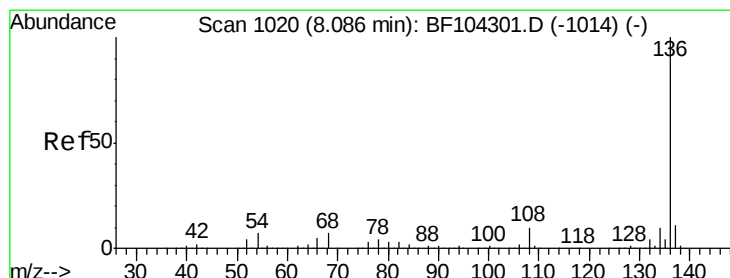
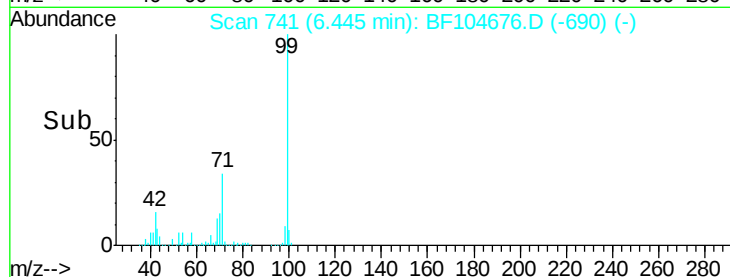
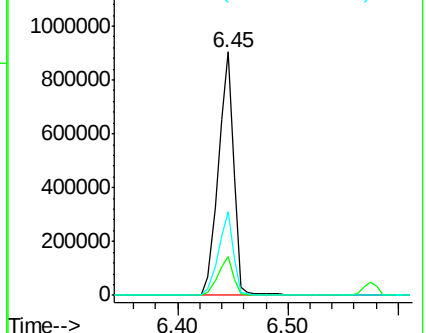
71 34.4 25.4 38.0



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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

Tgt Ion: 136 Resp: 423936

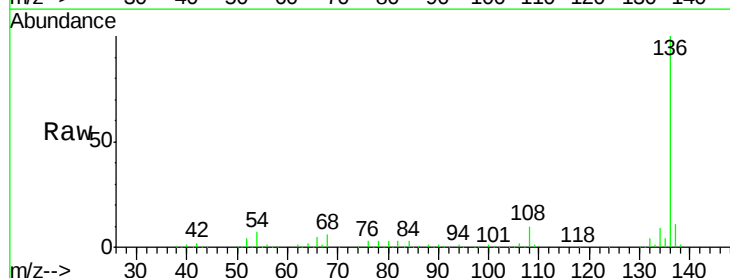
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.1 6.6 9.8

68 6.4 5.0 7.4

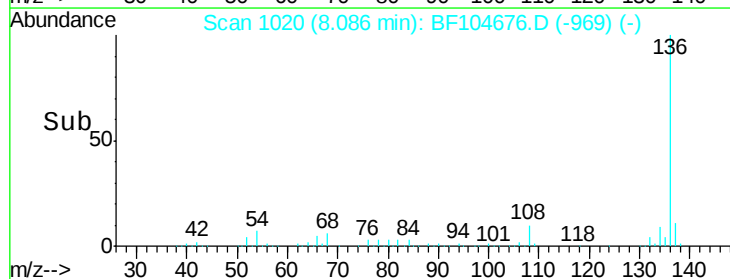
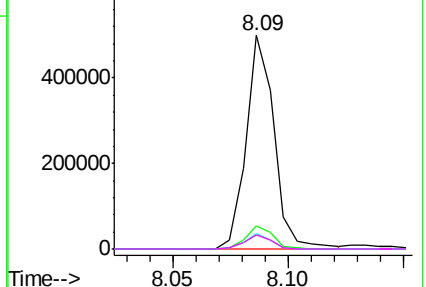


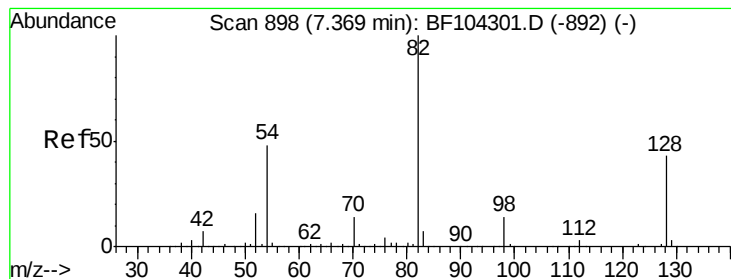
Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.314 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

Instrument :

BNA\_F

ClientSampled :

SB-02

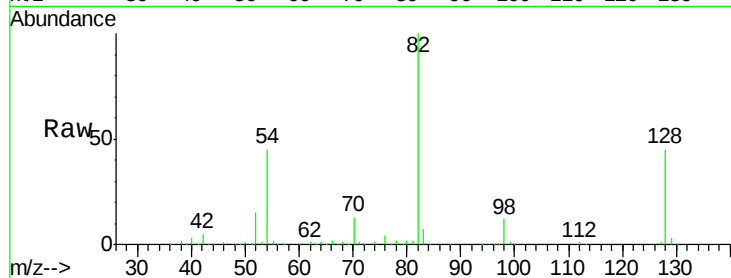
Tot Ion: 82 Resp: 514934

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

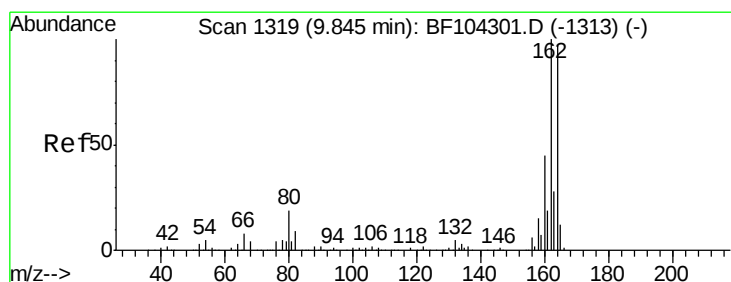
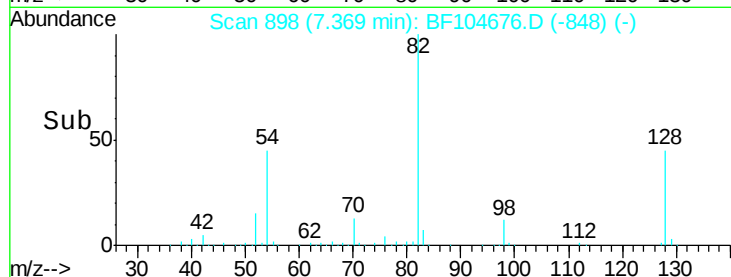
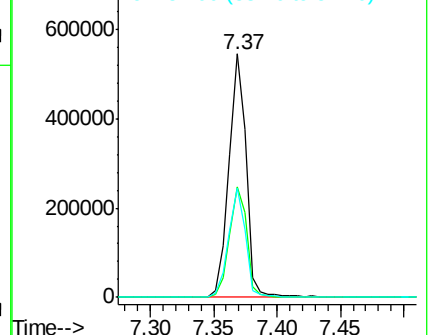
54 44.8 41.4 62.2



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: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

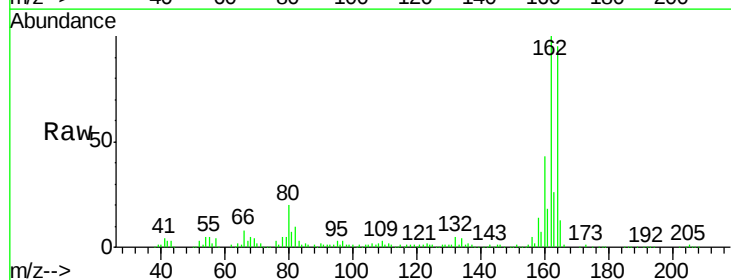
Tgt Ion:164 Resp: 173057

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

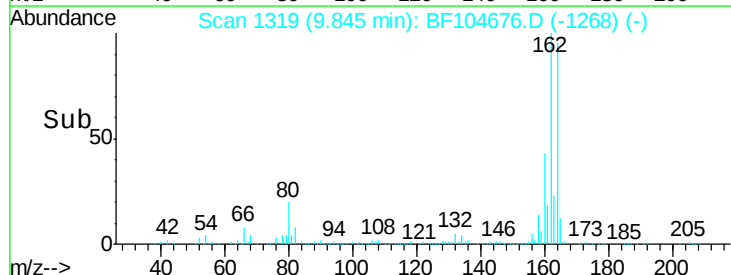
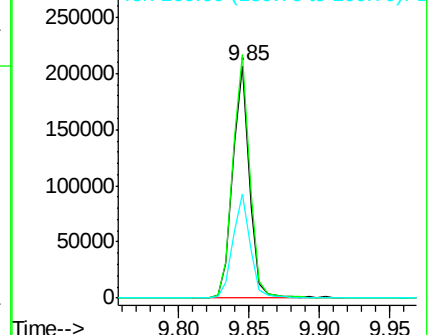
160 44.8 38.3 57.5

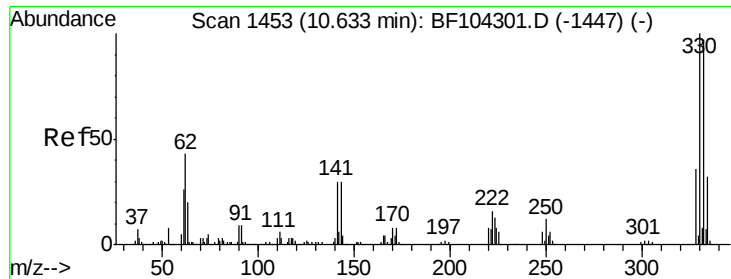


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

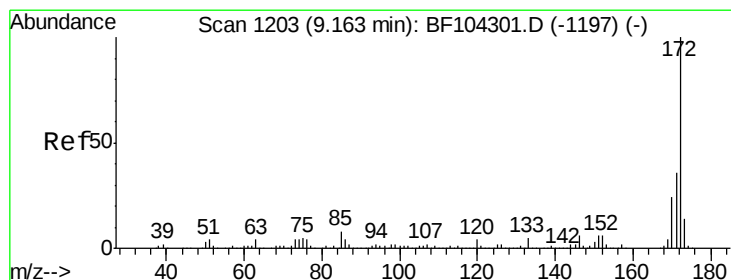
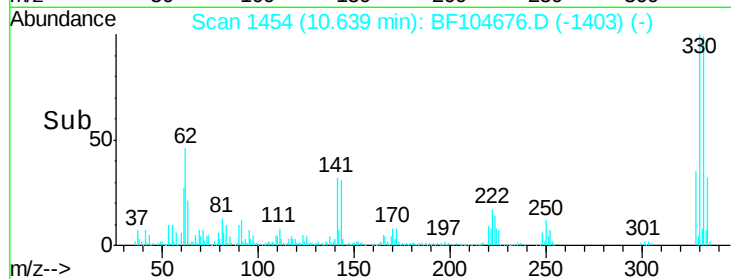
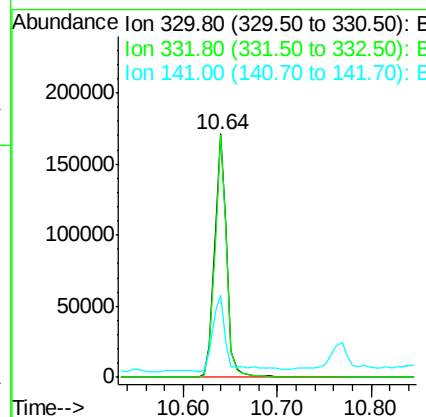
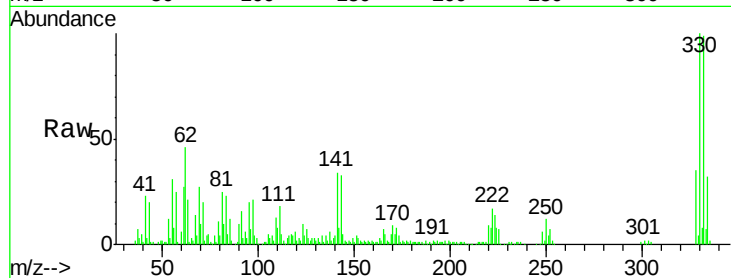




#41  
 2,4,6-Tribromophenol  
 Concen: 87.283 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.00 min  
 Lab File: BF104676.D  
 Acq: 20 Apr 2018 16:08

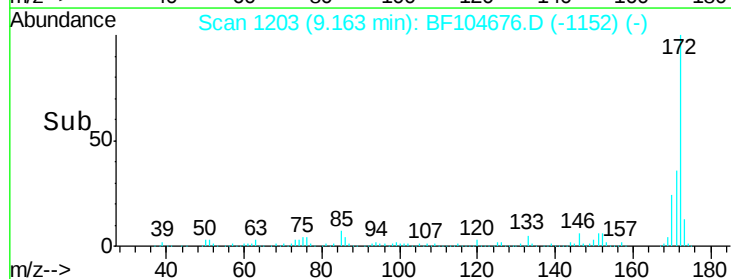
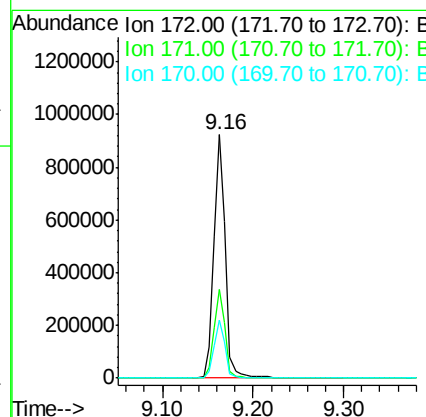
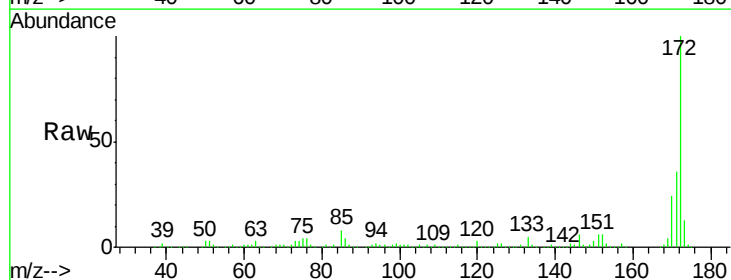
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

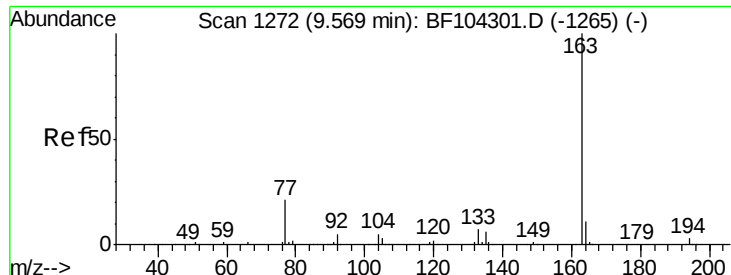
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 35.0  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 75.917 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.00 min  
 Lab File: BF104676.D  
 Acq: 20 Apr 2018 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |

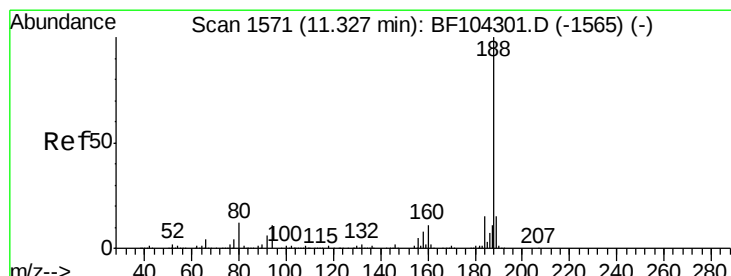
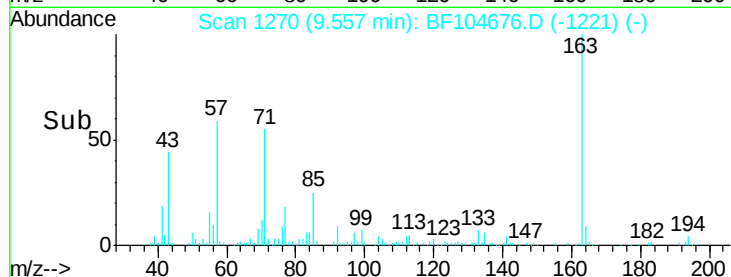
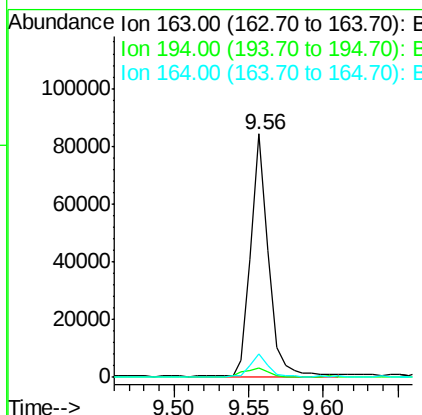
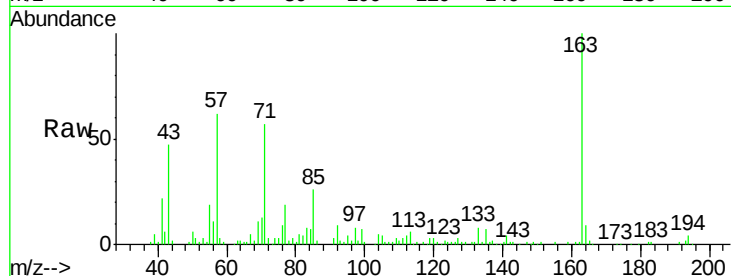




#49  
Dimethylphthalate  
Concen: 5.054 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF104676.D  
Acq: 20 Apr 2018 16:08

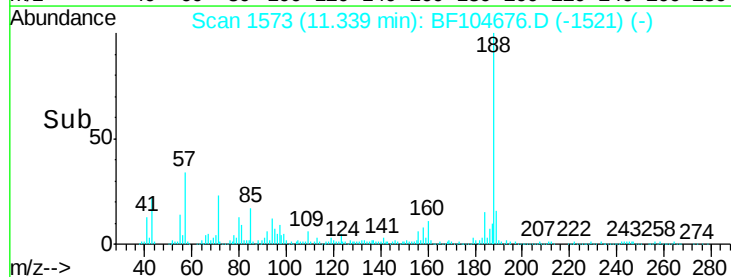
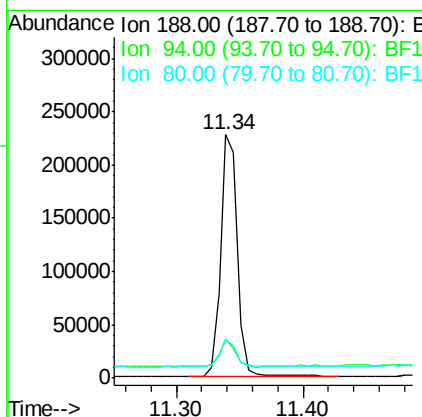
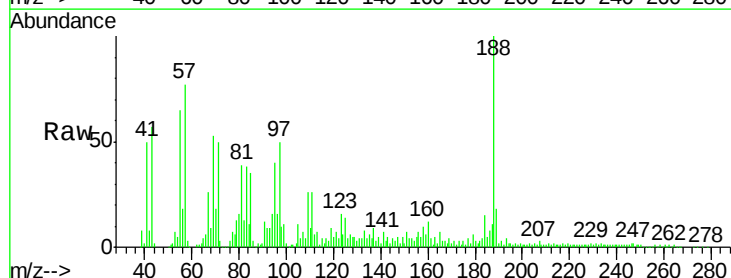
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

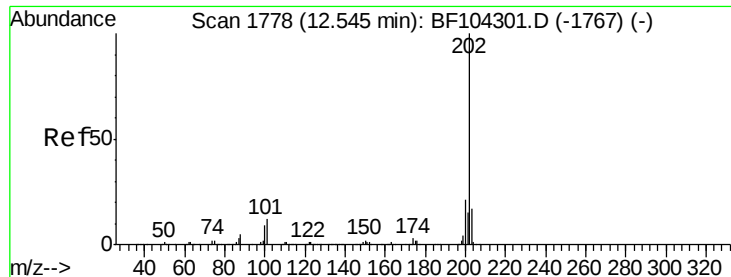
Tot Ion:163 Resp: 68972  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 9.4 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. 0.01 min  
Lab File: BF104676.D  
Acq: 20 Apr 2018 16:08

Tgt Ion:188 Resp: 208962  
Ion Ratio Lower Upper  
188 100  
94 15.7 8.5 12.7#  
80 16.0 9.2 13.8#





#74

Fluoranthene

Concen: 2.277 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

Instrument :

BNA\_F

ClientSampleId :

SB-02

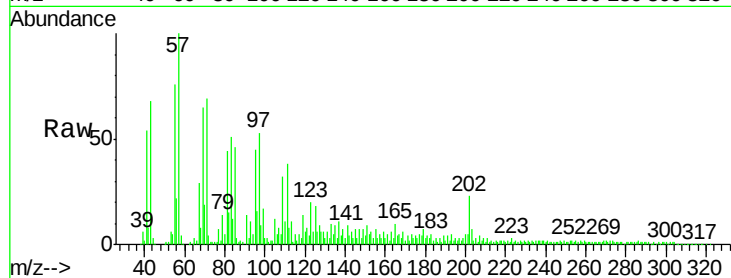
Tot Ion:202 Resp: 27687

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

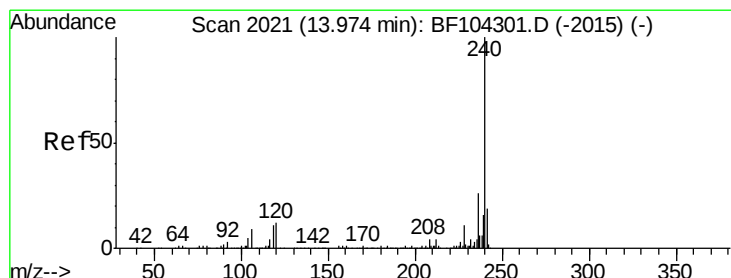
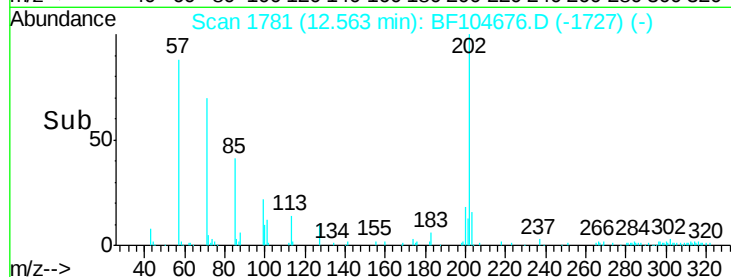
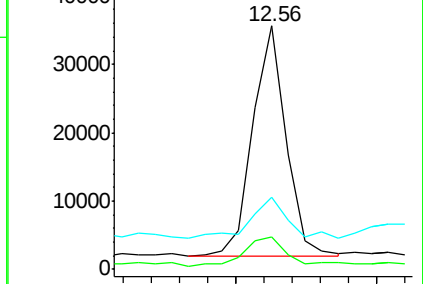
203 29.8 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104676.D

Acq: 20 Apr 2018 16:08

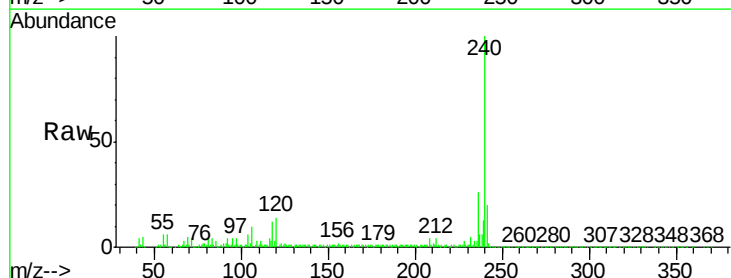
Tgt Ion:240 Resp: 222641

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

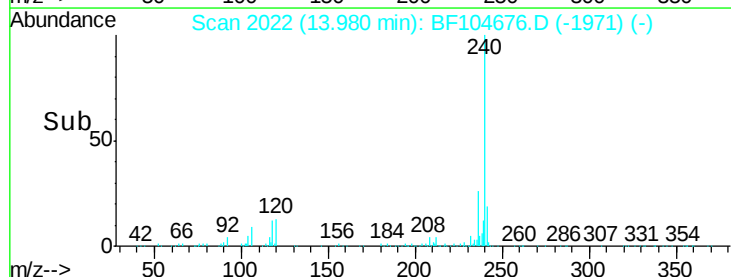
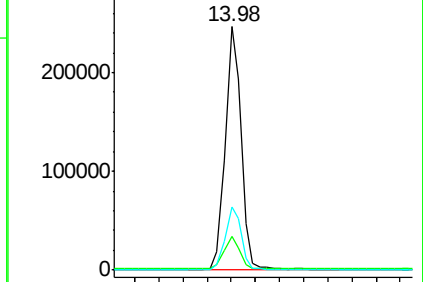
236 25.8 20.7 31.1

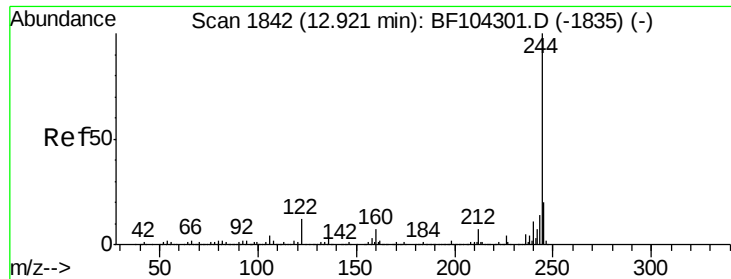


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

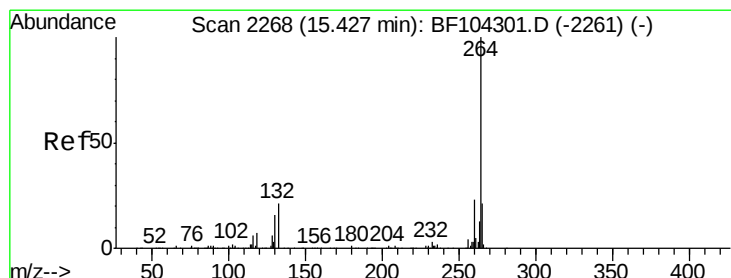
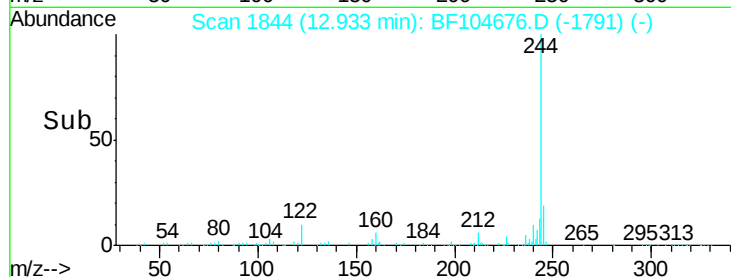
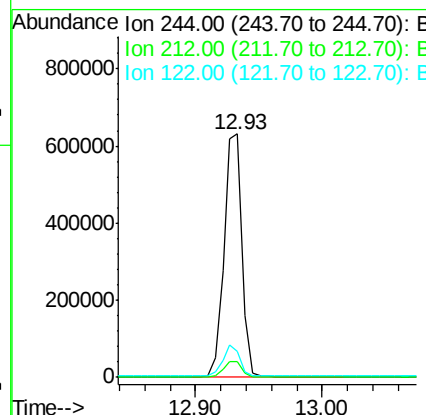
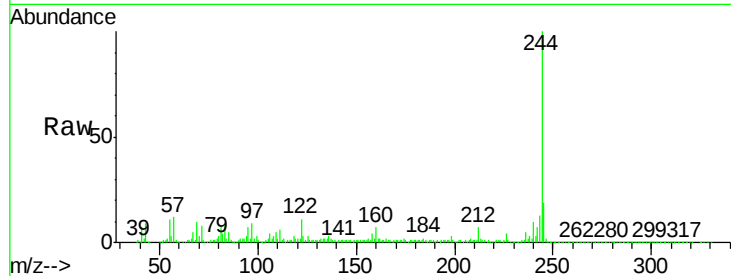




#78  
 Terphenyl-d14  
 Concen: 63.732 ng  
 RT: 12.93 min Scan# 1844  
 Delta R.T. 0.01 min  
 Lab File: BF104676.D  
 Acq: 20 Apr 2018 16:08

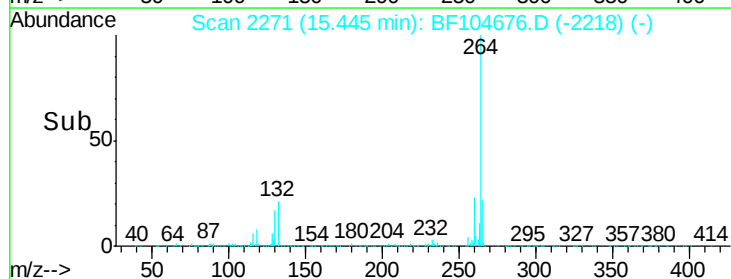
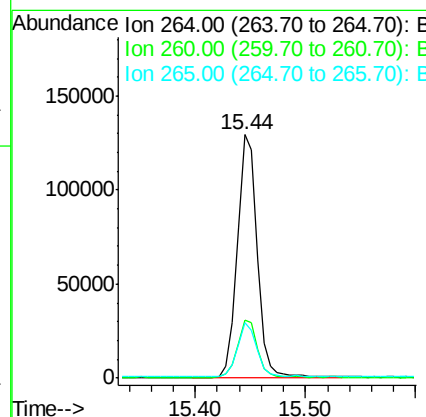
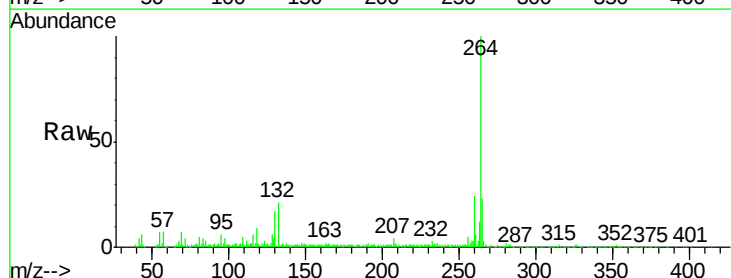
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

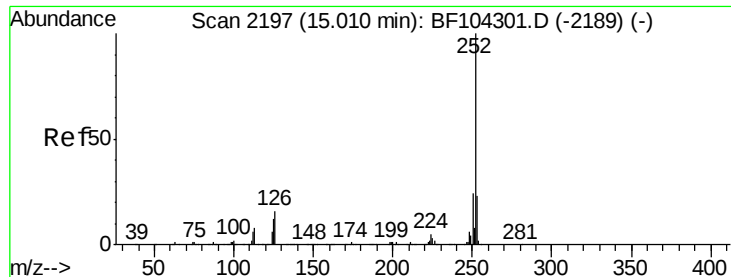
Tot Ion:244 Resp: 622384  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.0  
 122 10.9 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: BF104676.D  
 Acq: 20 Apr 2018 16:08

Tgt Ion:264 Resp: 163610  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.7 17.5 26.3

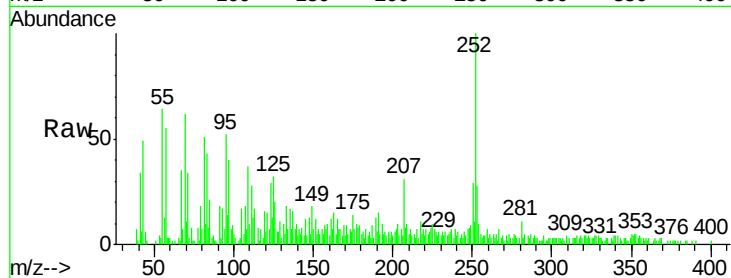




#87  
 Benzo(b)fluoranthene  
 Concen: 2.078 ng  
 RT: 15.02 min Scan# 2199  
 Delta R.T. 0.01 min  
 Lab File: BF104676.D  
 Acq: 20 Apr 2018 16:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

Tot Ion: 252 Resp: 21477  
 Ion Ratio Lower Upper  
 252 100  
 253 27.8 17.0 25.6#  
 125 32.3 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 253.00 (252.70 to 253.70): E  
 Ion 125.00 (124.70 to 125.70): E

