

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\  
 Data File : BF104553.D  
 Acq On : 17 Apr 2018 00:26  
 Operator : JU/SJ  
 Sample : J2386-05  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-5

Quant Time: Apr 17 02:12:15 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 16 12:15:25 2018  
 Response via : Initial Calibration

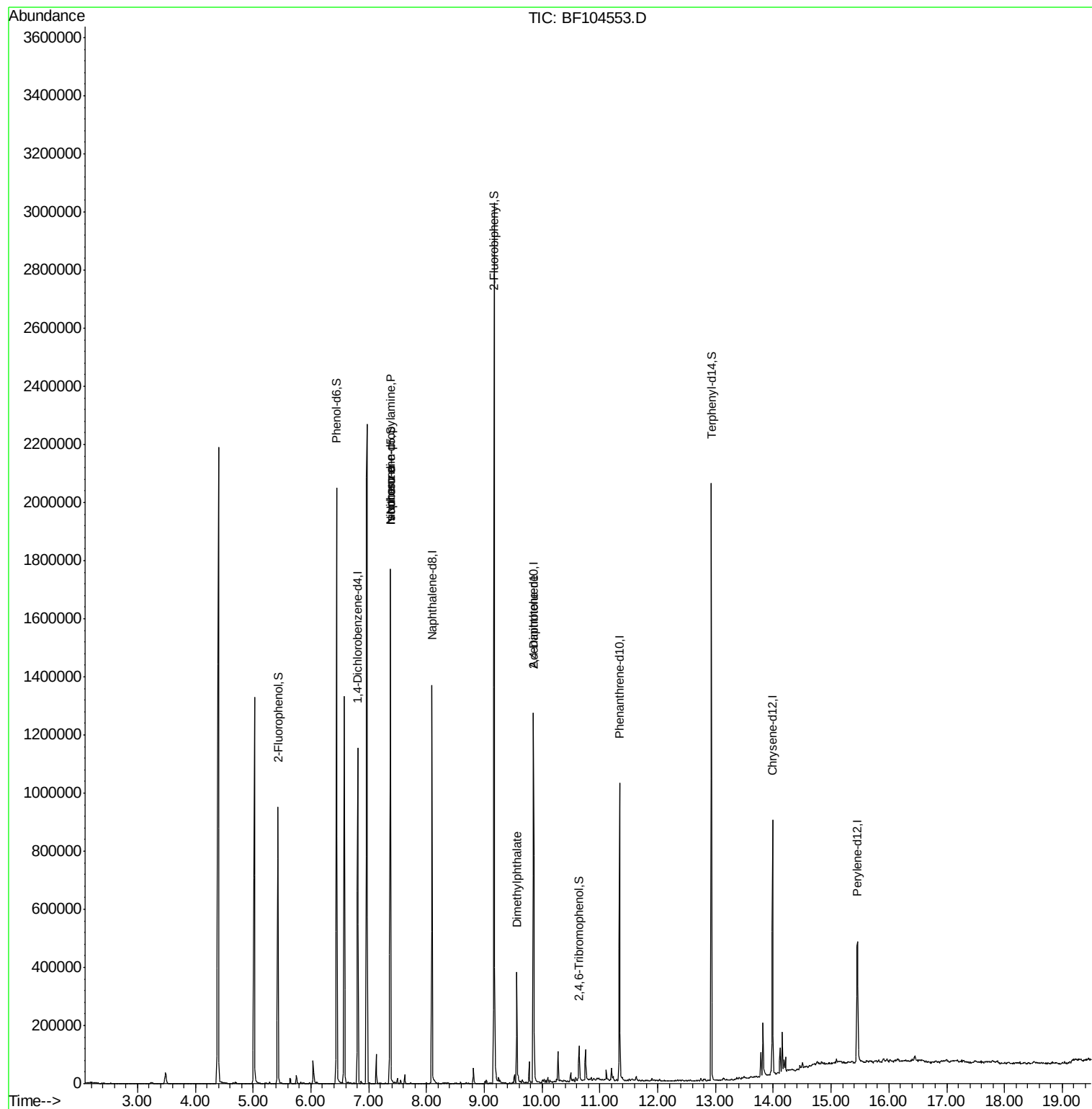
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 154681   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 596341   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 244551   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.34 | 188  | 355408   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.99 | 240  | 280414   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.46 | 264  | 194997   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 267870   | 26.48     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 668796   | 53.81     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 553235   | 60.58     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 14679    | 5.79      | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 966084   | 62.41     | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.93 | 244  | 680143   | 55.30     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.45  | 77   | 998      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 71723    | 8.831 ng  | #     | 74       |
| 25) Isophorone                 | 7.37  | 82   | 553230   | 28.647 ng | #     | 64       |
| 49) Dimethylphthalate          | 9.56  | 163  | 154048   | 7.988 ng  |       | 100      |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 30230    | 6.458 ng  | #     | 23       |
| 76) Benzidine                  | 12.93 | 184  | 8330     | Below Cal | #     | 95       |

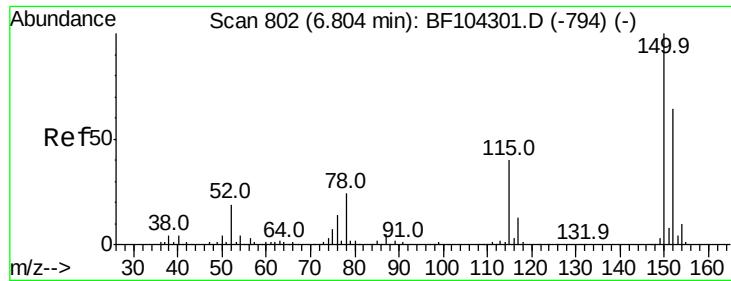
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\  
Data File : BF104553.D  
Acq On : 17 Apr 2018 00:26  
Operator : JU/SJ  
Sample : J2386-05  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CO-5

Quant Time: Apr 17 02:12:15 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 16 12:15:25 2018  
Response via : Initial Calibration



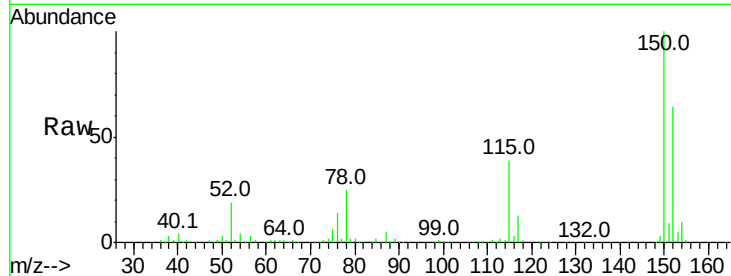


#1

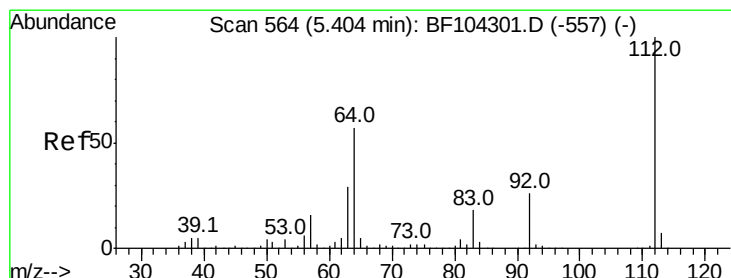
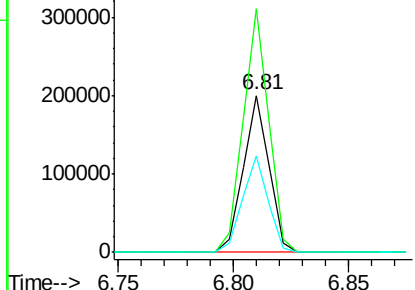
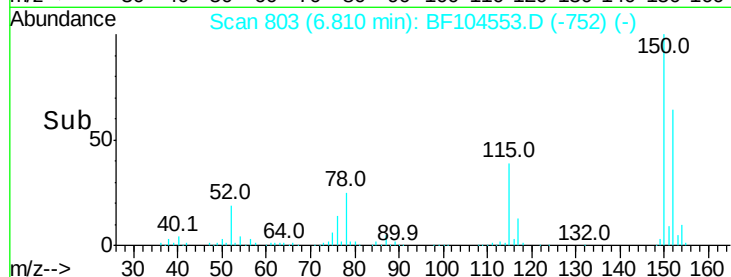
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. -0.00 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Instrument :  
 BNA\_F  
 ClientSampled :  
 CO-5

Tot Ion:152 Resp: 154681  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 124.6 186.8  
 115 61.3 50.1 75.1



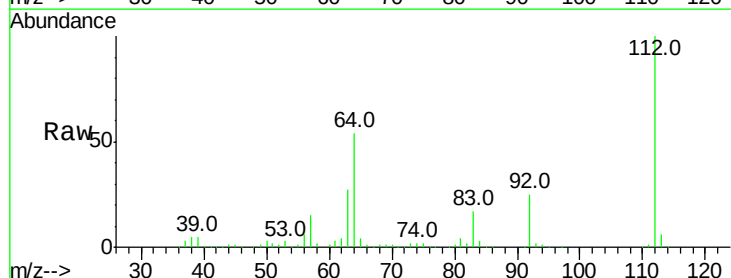
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



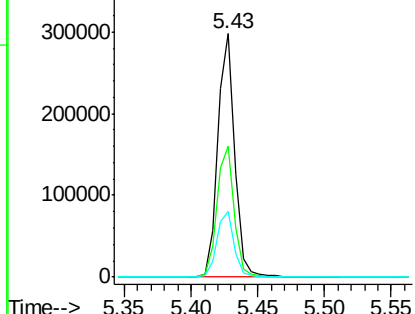
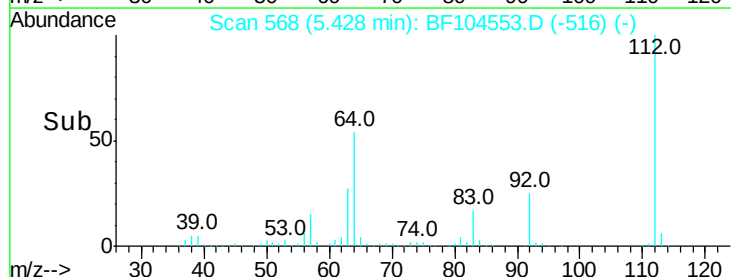
#5

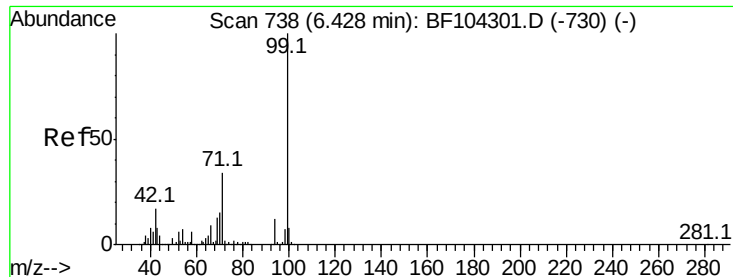
2-Fluorophenol  
 Concen: 26.480 ng  
 RT: 5.43 min Scan# 568  
 Delta R.T. 0.01 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Tgt Ion:112 Resp: 267870  
 Ion Ratio Lower Upper  
 112 100  
 64 53.9 47.9 71.9  
 63 26.9 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: 53.808 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104553.D

Acq: 17 Apr 2018 00:26

Instrument :

BNA\_F

ClientSampled :

CO-5

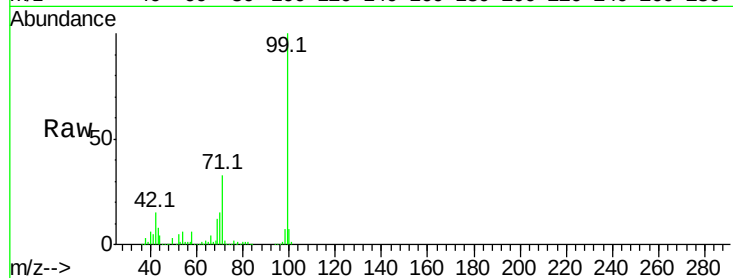
Tot Ion: 99 Resp: 668796

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

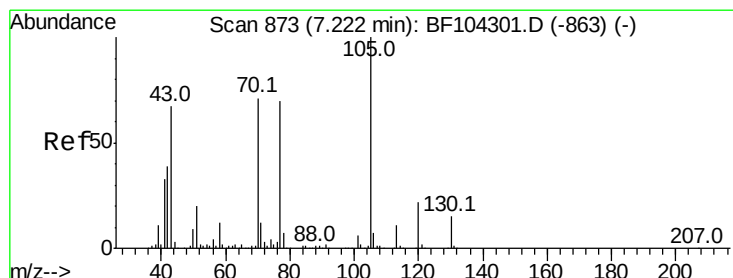
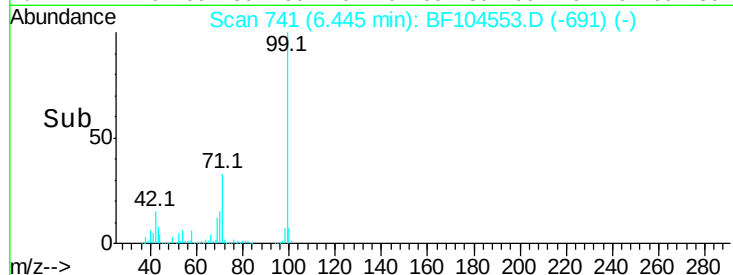
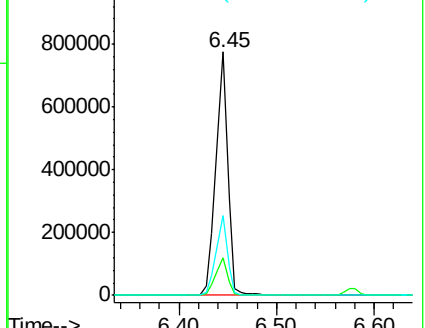
71 32.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.831 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104553.D

Acq: 17 Apr 2018 00:26

Tgt Ion: 70 Resp: 71723

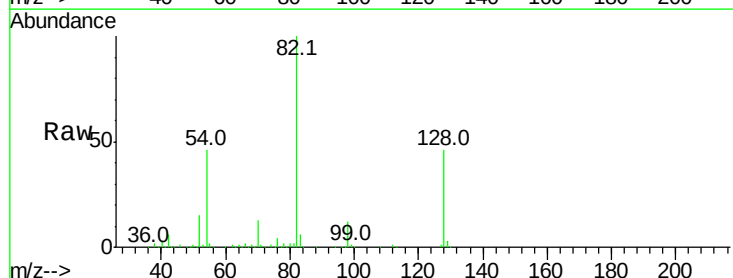
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

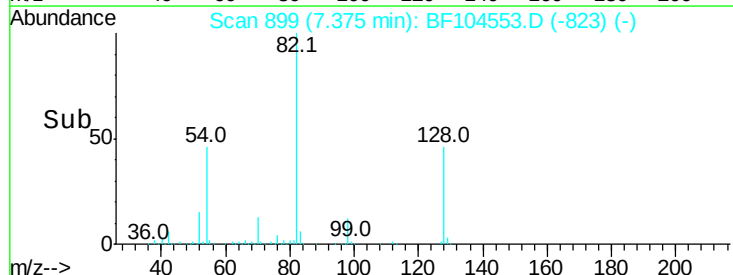
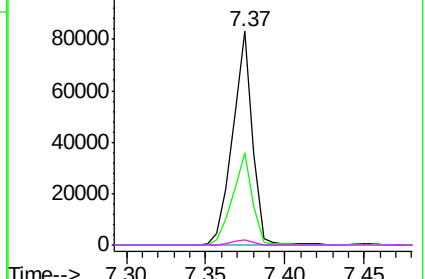


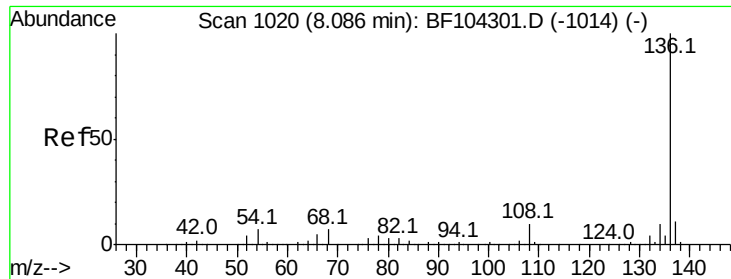
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

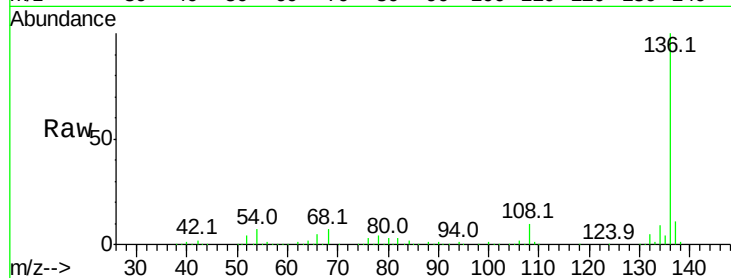




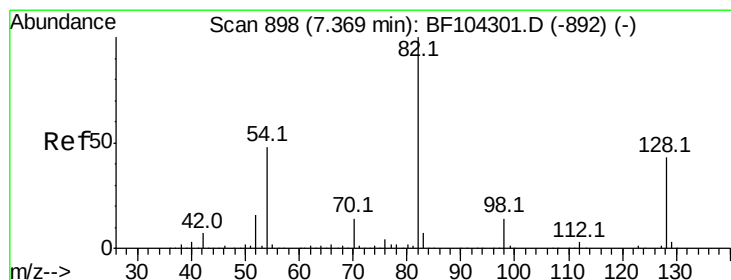
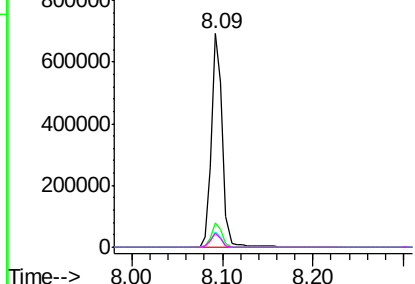
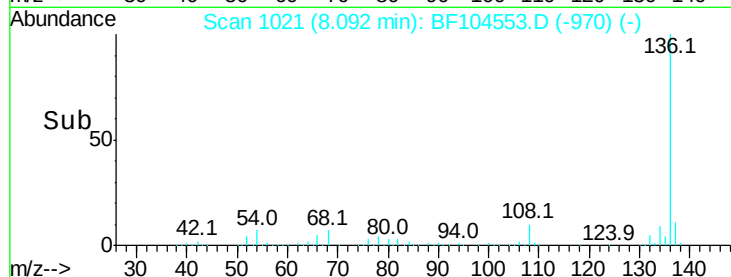
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BF104553.D  
Acq: 17 Apr 2018 00:26

Instrument :  
BNA\_F  
ClientSampled :  
CO-5

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 596341 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.9   | 13.3   |
| 54       | 7.4   | 6.6   | 9.8    |
| 68       | 6.6   | 5.0   | 7.4    |

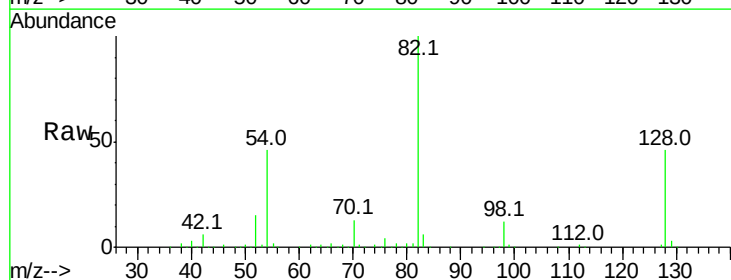


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

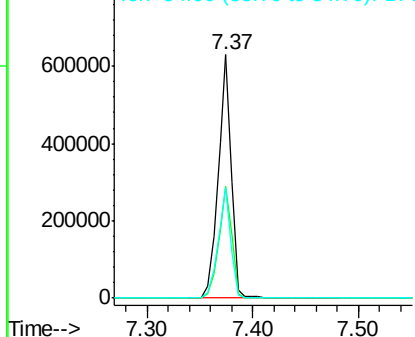
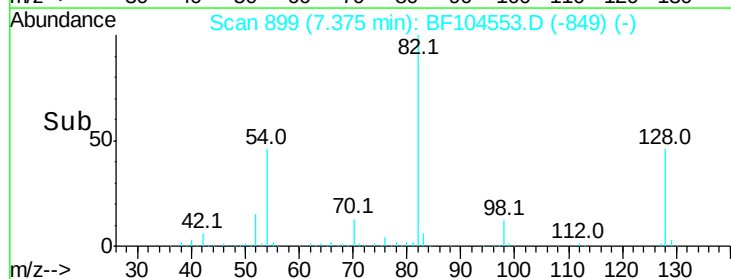


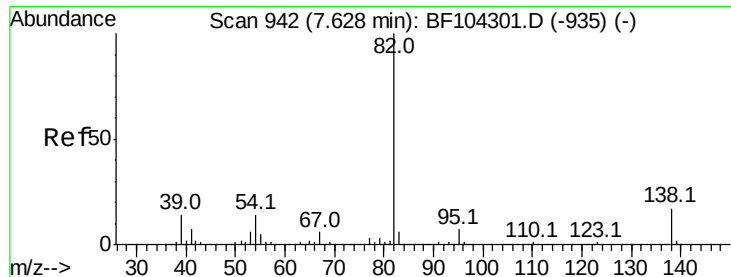
#23  
Nitrobenzene-d5  
Concen: 60.578 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF104553.D  
Acq: 17 Apr 2018 00:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 553235 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.8  | 36.1  | 54.1   |
| 54       | 45.6  | 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





#25

Isophorone

Concen: 28.647 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104553.D

Acq: 17 Apr 2018 00:26

Instrument :

BNA\_F

ClientSampleId :

CO-5

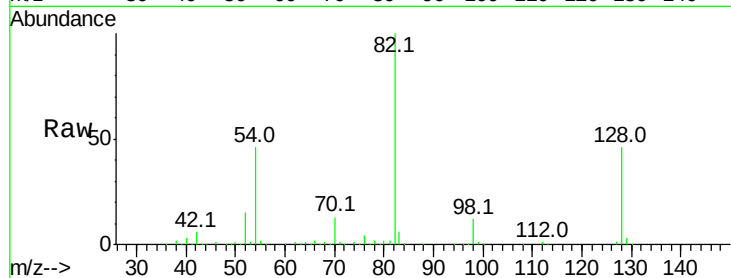
Tot Ion: 82 Resp: 553230

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

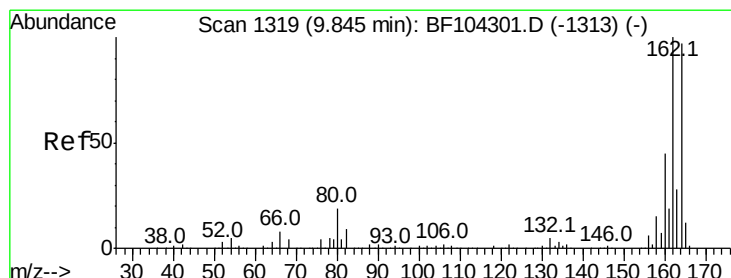
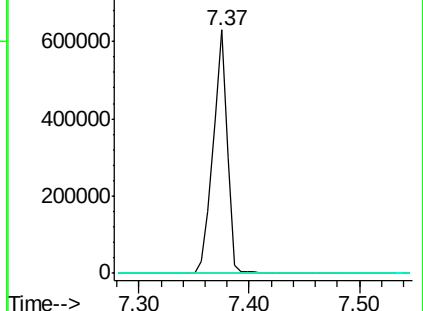
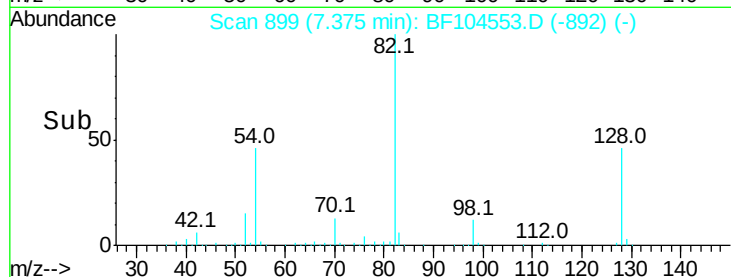
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF104553.D

Acq: 17 Apr 2018 00:26

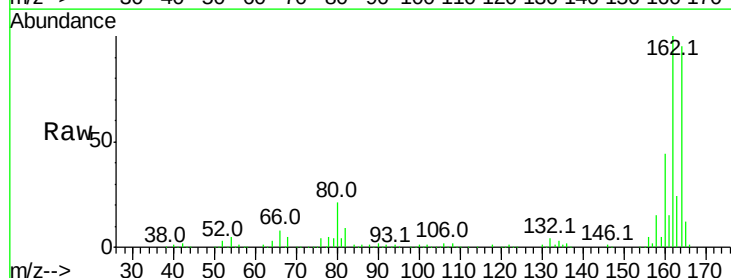
Tgt Ion:164 Resp: 244551

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

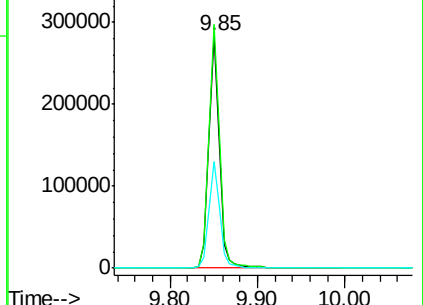
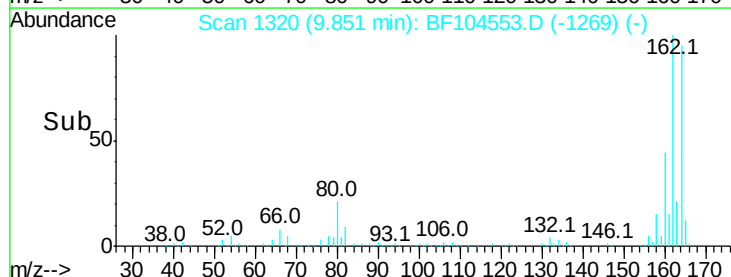
160 45.9 38.3 57.5

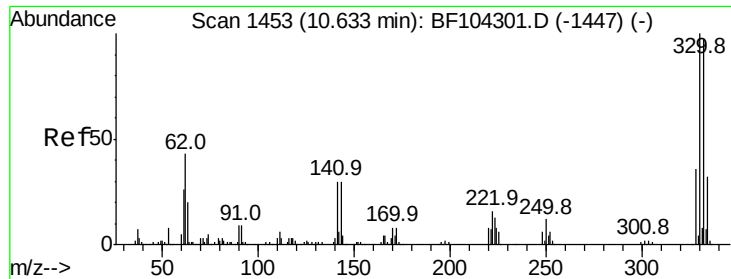


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

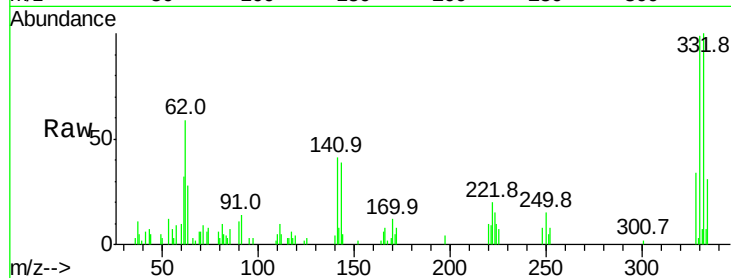




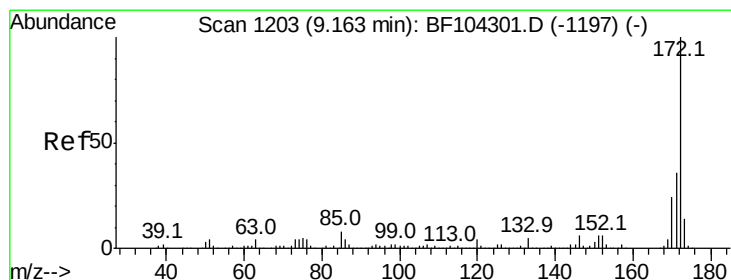
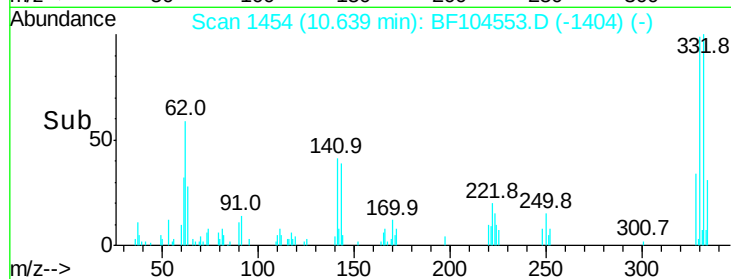
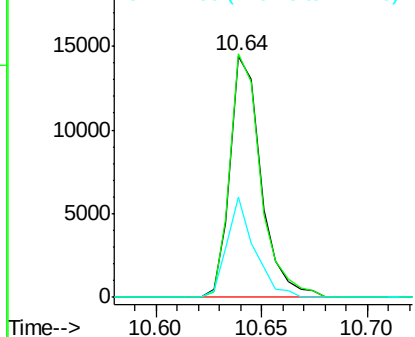
#41  
 2,4,6-Tribromophenol  
 Concen: 5.786 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-5

Tot Ion:330 Resp: 14679  
 Ion Ratio Lower Upper  
 330 100  
 332 99.7 77.0 115.6  
 141 36.5 29.9 44.9

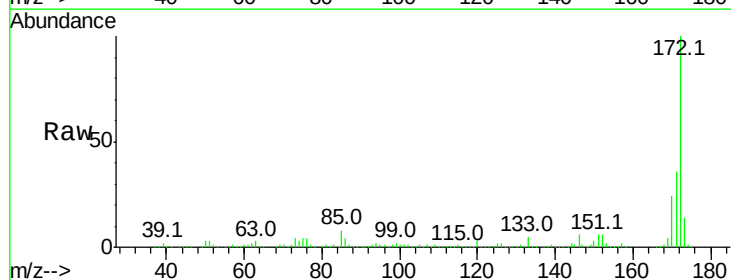


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

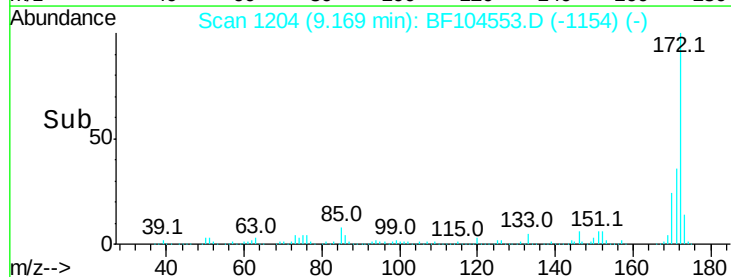
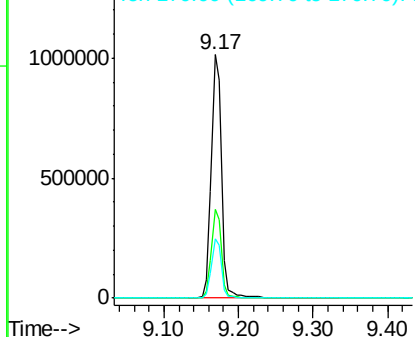


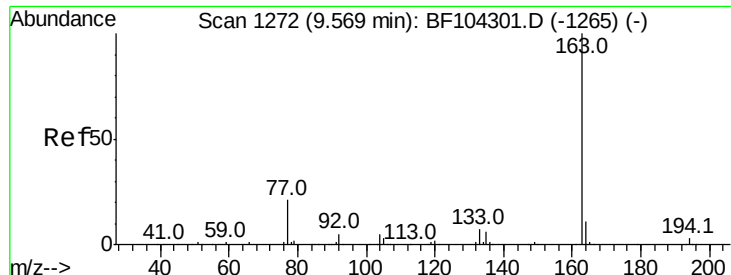
#44  
 2-Fluorobiphenyl  
 Concen: 62.407 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Tgt Ion:172 Resp: 966084  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 24.3 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

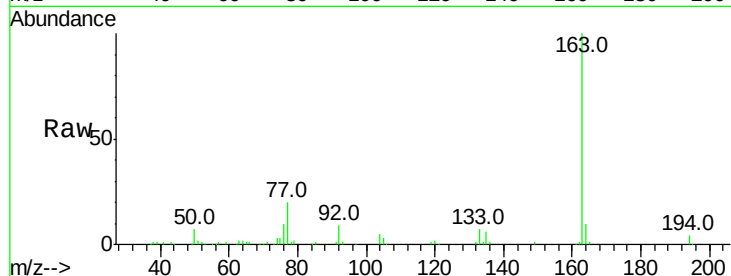




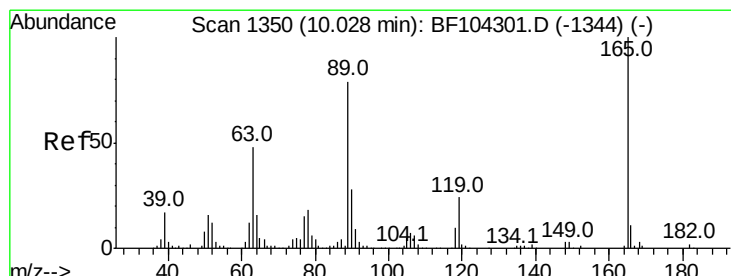
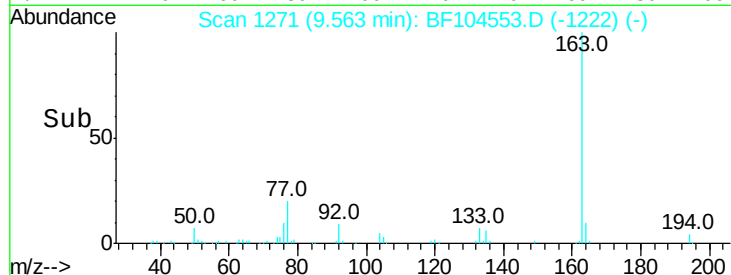
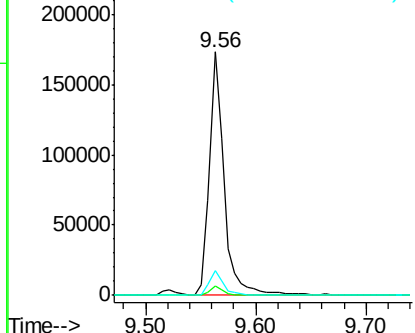
#49  
 Dimethylphthalate  
 Concen: 7.988 ng  
 RT: 9.56 min Scan# 1271  
 Delta R.T. -0.01 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-5

Tot Ion:163 Resp: 154048  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.7 4.1  
 164 10.3 8.2 12.2

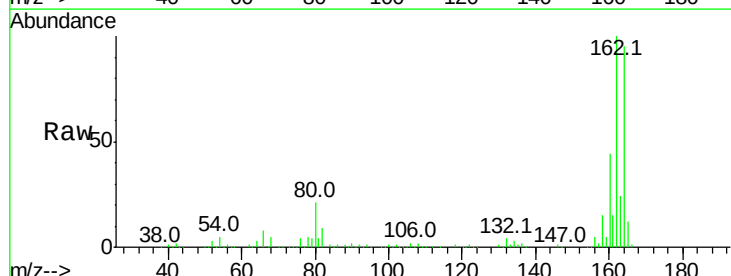


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

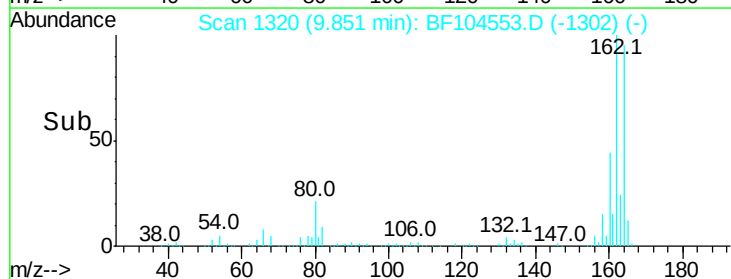
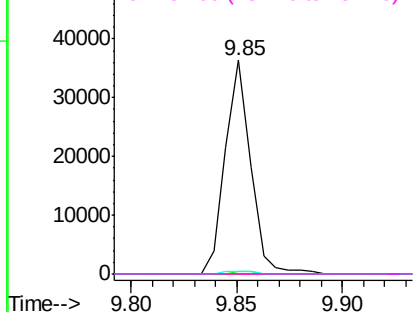


#56  
 2,4-Dinitrotoluene  
 Concen: 6.458 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.19 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

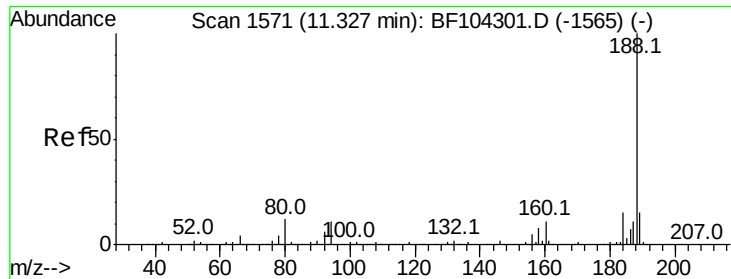
Tgt Ion:165 Resp: 30230  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 36.4 54.6#  
 89 1.5 57.8 86.6#  
 182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E



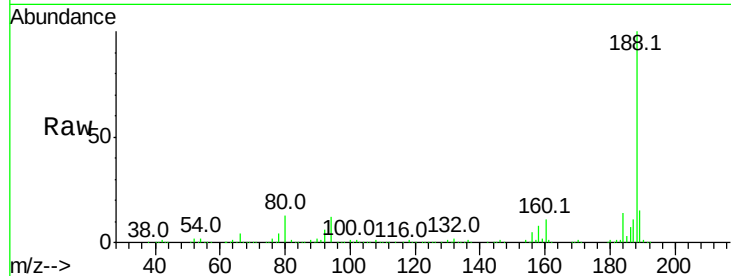




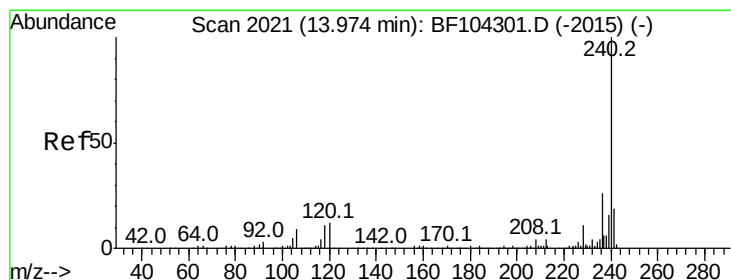
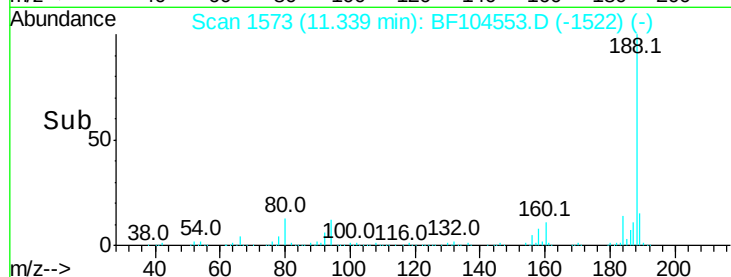
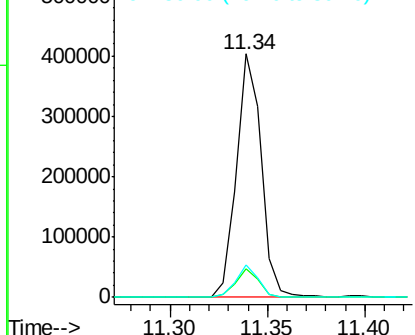
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: BF104553.D  
Acq: 17 Apr 2018 00:26

Instrument :  
BNA\_F  
ClientSampleId :  
CO-5

Tot Ion:188 Resp: 355408  
Ion Ratio Lower Upper  
188 100  
94 11.8 8.5 12.7  
80 13.1 9.2 13.8

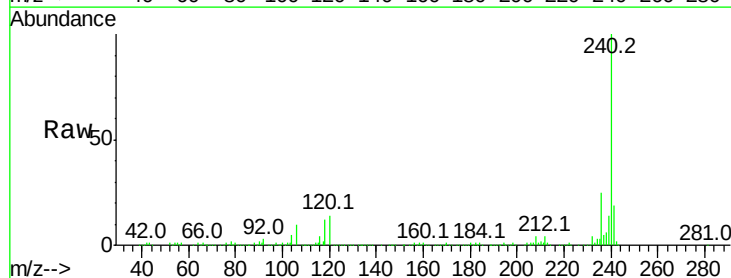


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

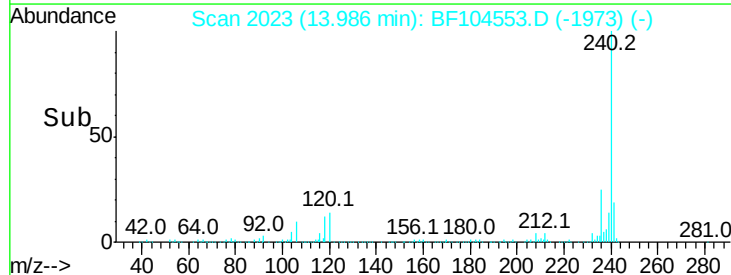
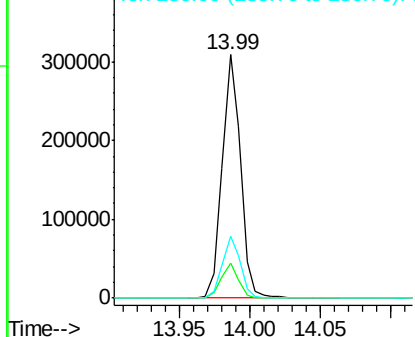


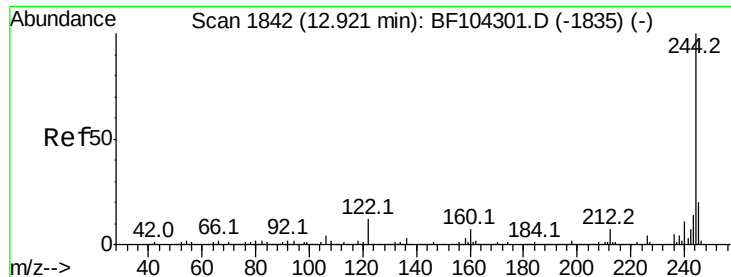
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BF104553.D  
Acq: 17 Apr 2018 00:26

Tgt Ion:240 Resp: 280414  
Ion Ratio Lower Upper  
240 100  
120 14.1 9.5 14.3  
236 25.2 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

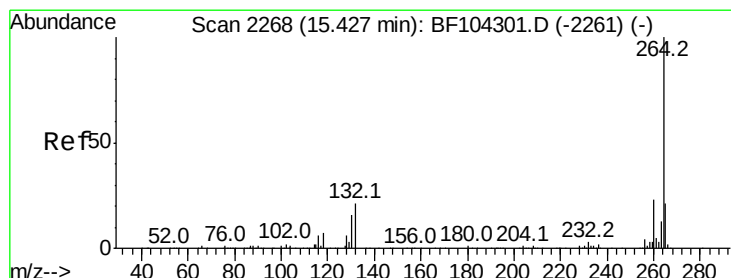
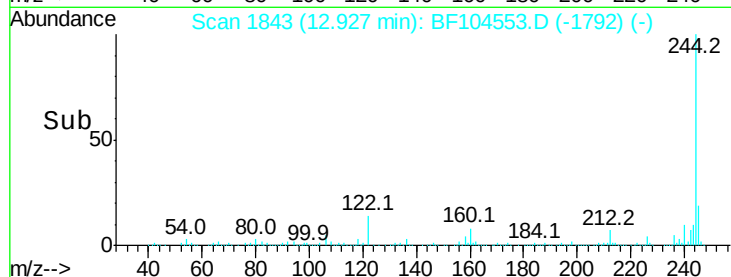
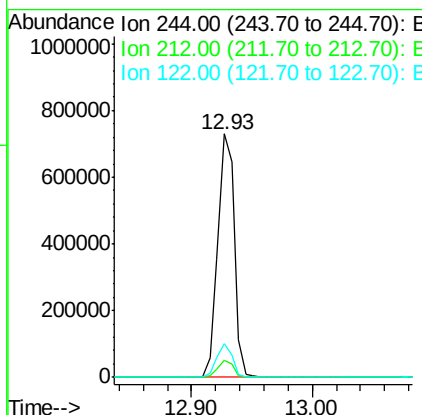
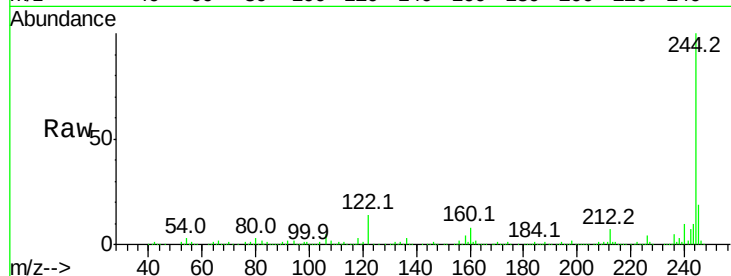




#78  
 Terphenyl-d14  
 Concen: 55.297 ng  
 RT: 12.93 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-5

Tot Ion:244 Resp: 680143  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 13.6 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2273  
 Delta R.T. -0.00 min  
 Lab File: BF104553.D  
 Acq: 17 Apr 2018 00:26

Tgt Ion:264 Resp: 194997  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.2 28.8  
 265 20.4 17.5 26.3

