

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\  
 Data File : BF104386.D  
 Acq On : 9 Apr 2018 22:21  
 Operator : JU/SJ  
 Sample : J2279-02 100X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 10 01:19:33 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 06 16:44:53 2018  
 Response via : Initial Calibration

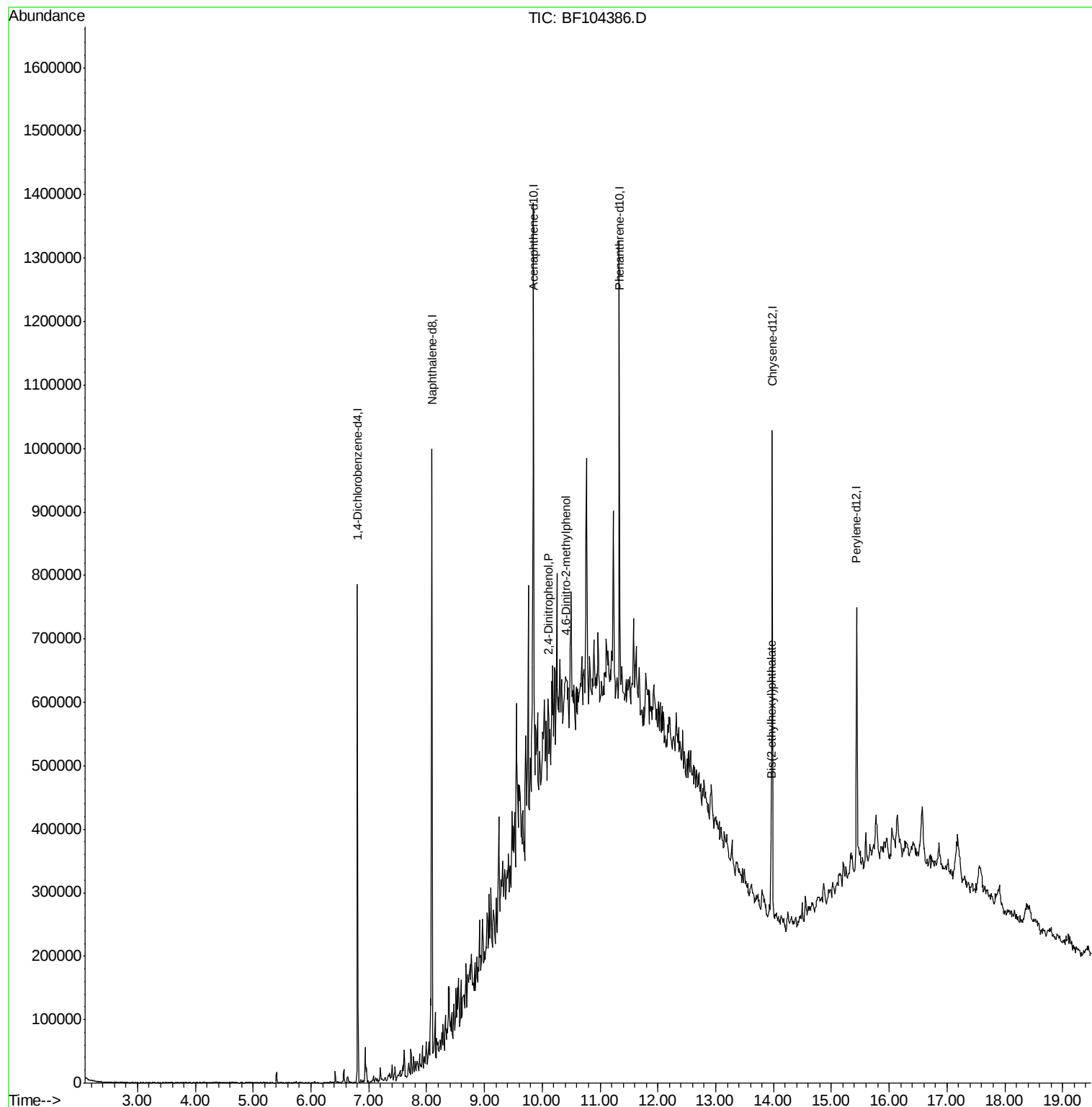
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 110793   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 397566   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 146604   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.33 | 188  | 239108   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.97 | 240  | 259596   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.44 | 264  | 191394   | 20.00     | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 5440     | 0.75      | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 6173     | 0.69      | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 3497     | 0.57      | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.63 | 330  | 809      | 0.53      | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 6860     | 0.74      | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.92 | 244  | 7073     | 0.62      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 53) 2,4-Dinitrophenol          | 10.10 | 184  | 152      | 5.385     | ng    | # 34     |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 512      | 7.719     | ng    | # 1      |
| 76) Benzidine                  | 12.66 | 184  | 358      | Below Cal |       | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 34947    | 2.997     | ng    | # 97     |

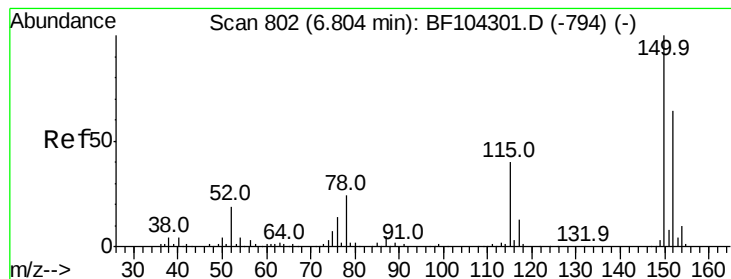
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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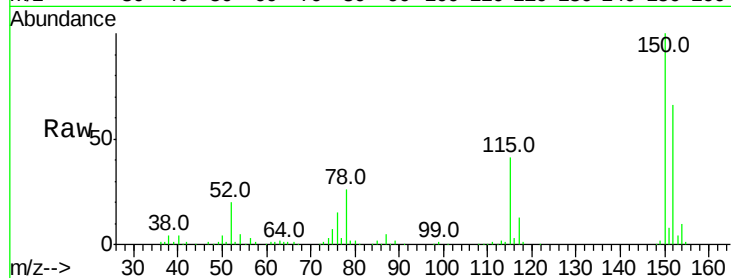


#1

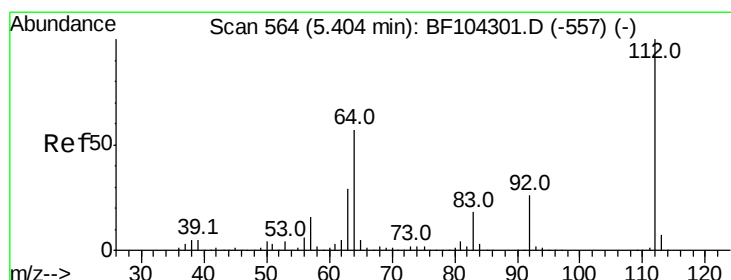
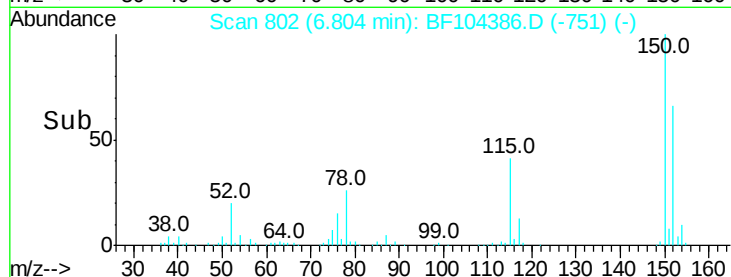
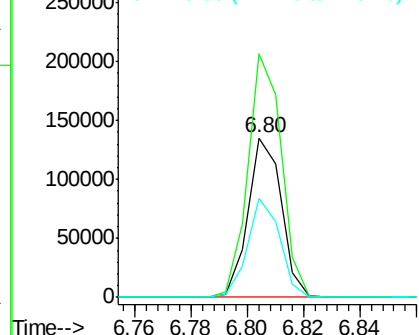
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104386.D  
Acq: 9 Apr 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 110793  
Ion Ratio Lower Upper  
152 100  
150 152.4 124.6 186.8  
115 62.3 50.1 75.1



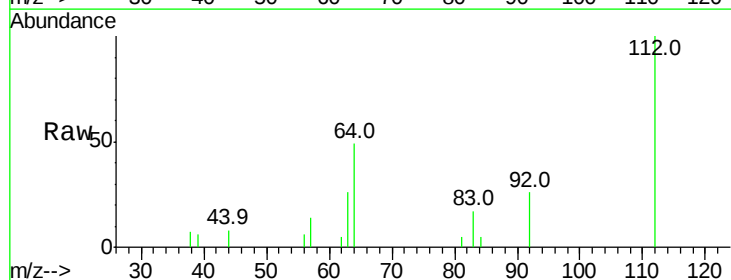
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



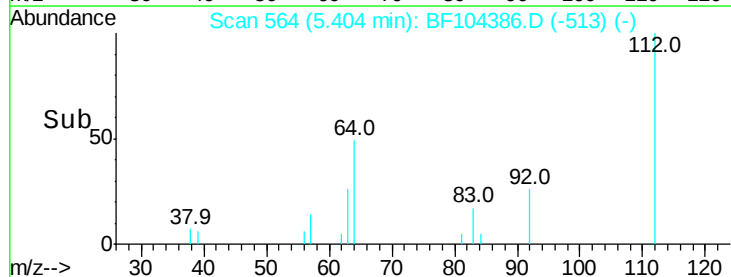
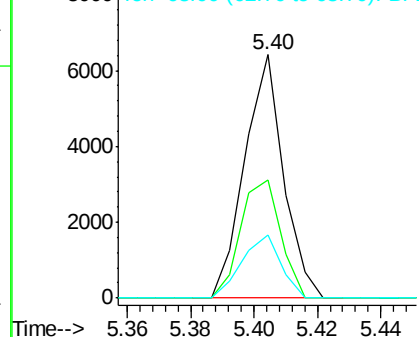
#5

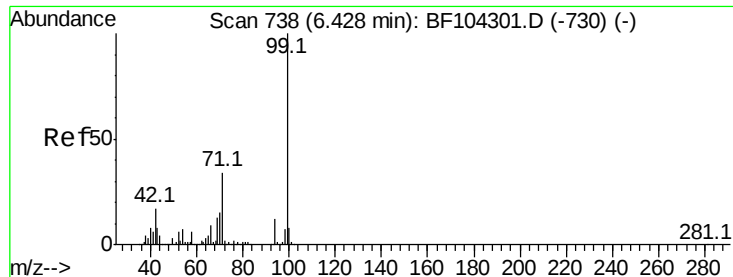
2-Fluorophenol  
Concen: 0.751 ng  
RT: 5.40 min Scan# 564  
Delta R.T. -0.00 min  
Lab File: BF104386.D  
Acq: 9 Apr 2018 22:21

Tgt Ion:112 Resp: 5440  
Ion Ratio Lower Upper  
112 100  
64 48.5 47.9 71.9  
63 26.0 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: 0.693 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104386.D

Acq: 9 Apr 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

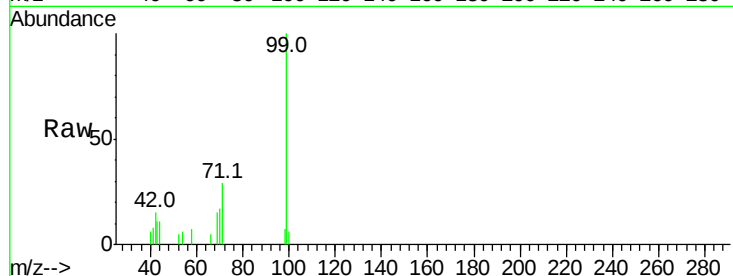
Tot Ion: 99 Resp: 6173

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

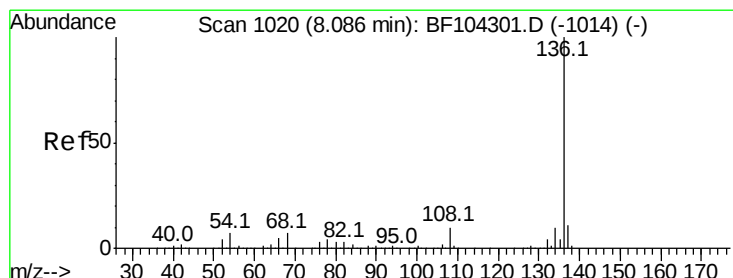
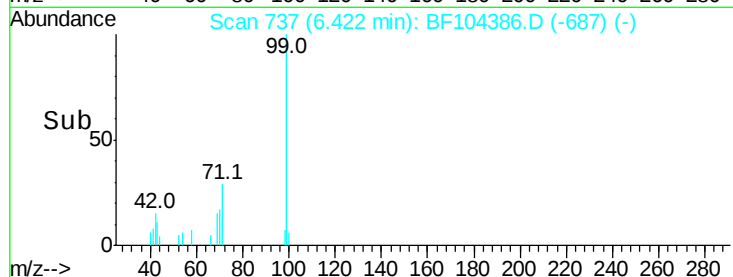
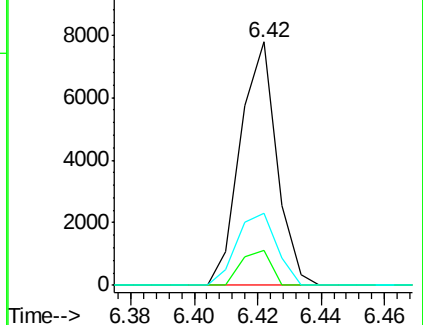
71 29.5 25.4 38.0



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: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF104386.D

Acq: 9 Apr 2018 22:21

Tgt Ion: 136 Resp: 397566

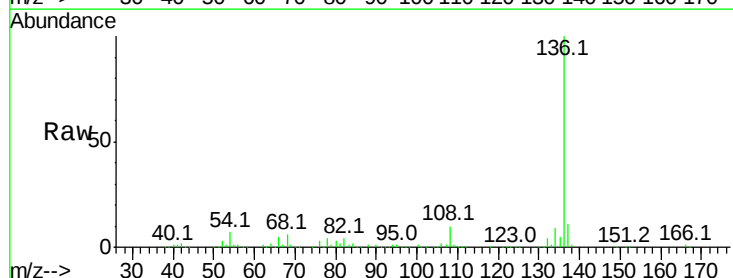
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 6.0 5.0 7.4

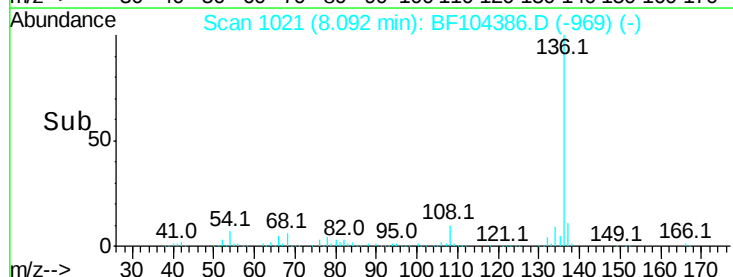
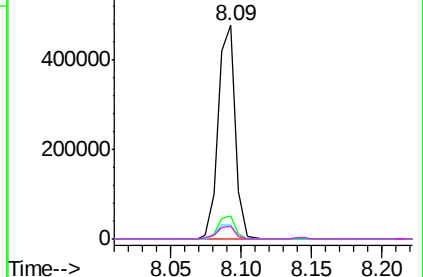


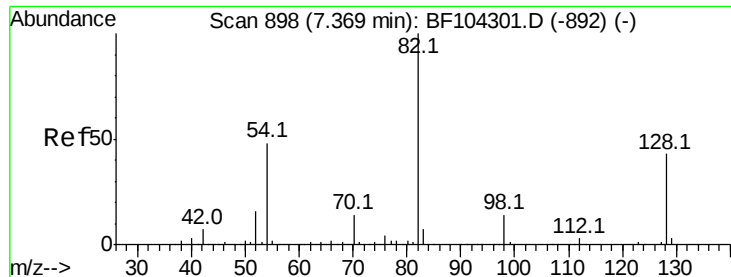
Abundance Ion 136.00 (135.70 to 136.70): E

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

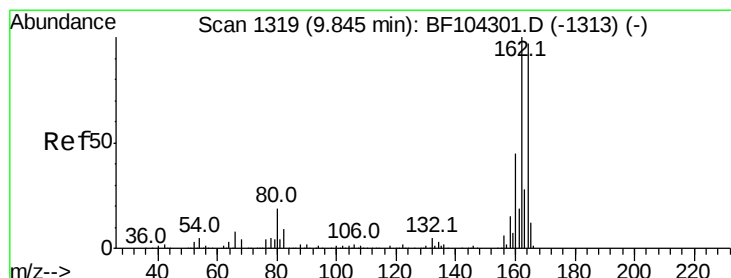
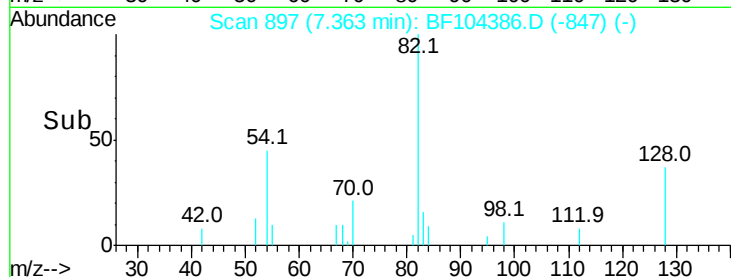
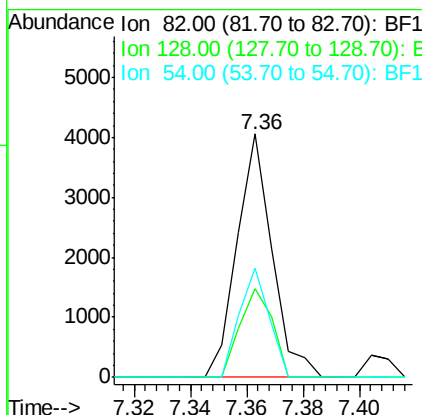
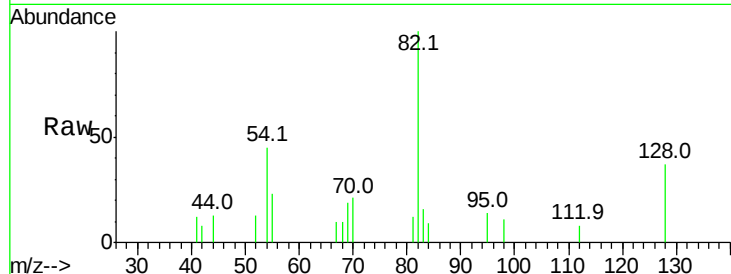




#23  
 Nitrobenzene-d5  
 Concen: 0.574 ng  
 RT: 7.36 min Scan# 897  
 Delta R.T. -0.01 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

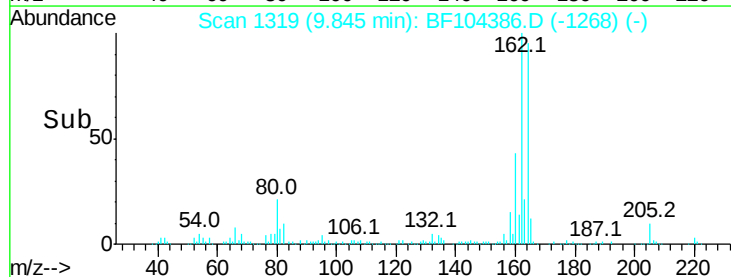
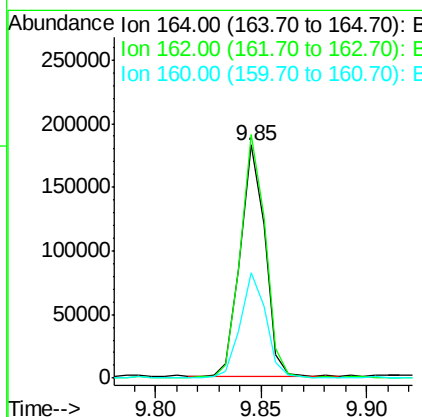
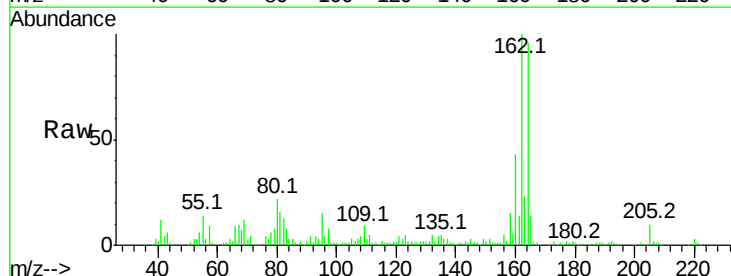
Instrument :  
 BNA\_F  
 ClientSampleId :

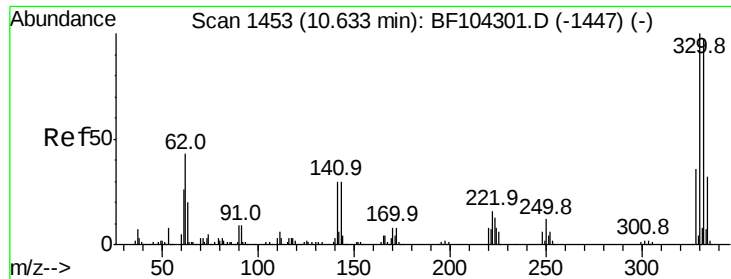
| Tot Ion   | 82   | Resp  | 3497  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 36.6 | 36.1  | 54.1  |
| 54        | 45.1 | 41.4  | 62.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

| Tgt Ion   | 164   | Resp  | 146604 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 104.5 | 86.1  | 129.1  |
| 160       | 45.1  | 38.3  | 57.5   |

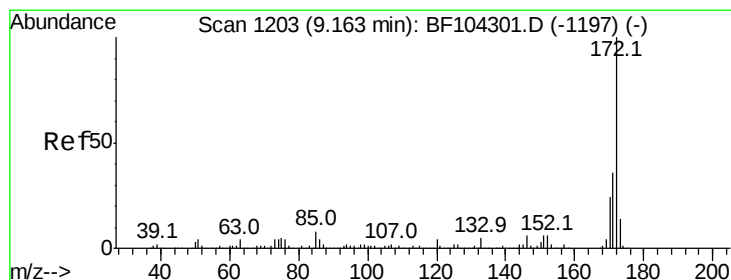
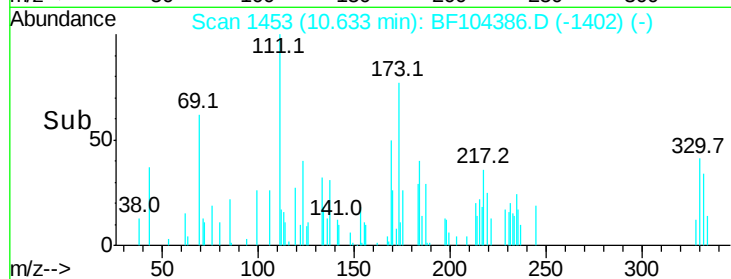
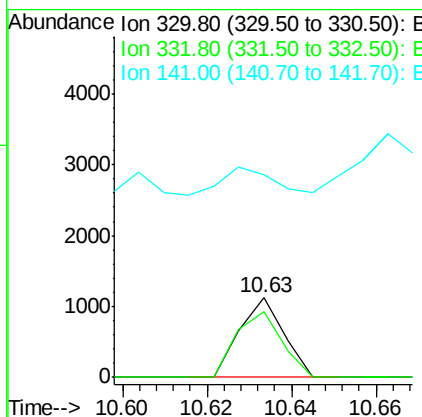
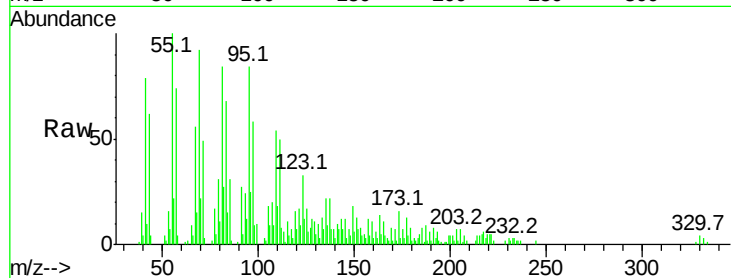




#41  
 2,4,6-Tribromophenol  
 Concen: 0.532 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. -0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

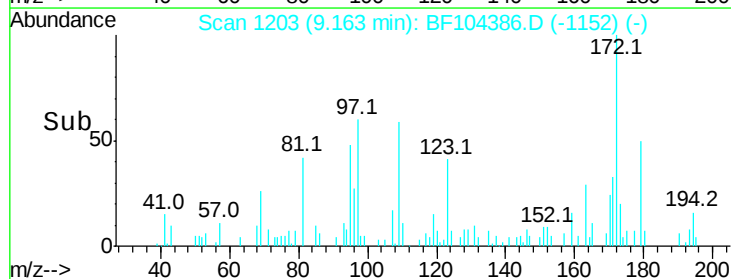
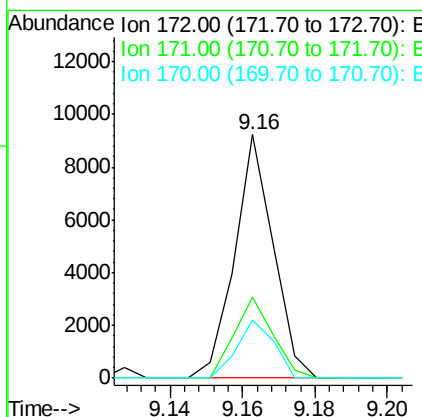
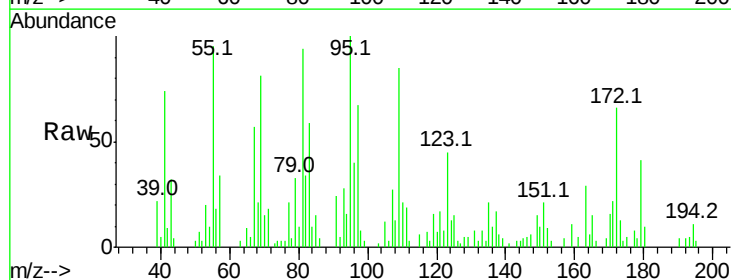
Instrument :  
 BNA\_F  
 ClientSampleId :

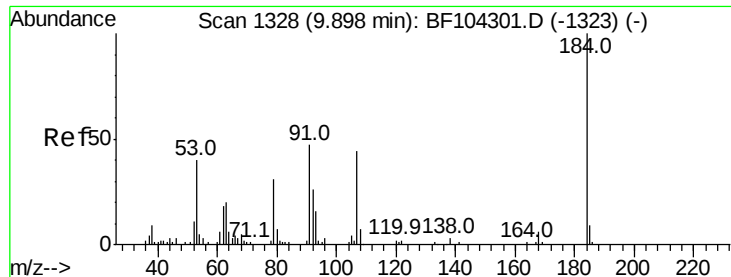
Tot Ion:330 Resp: 809  
 Ion Ratio Lower Upper  
 330 100  
 332 86.4 77.0 115.6  
 141 39.6 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 0.739 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

Tgt Ion:172 Resp: 6860  
 Ion Ratio Lower Upper  
 172 100  
 171 33.3 29.7 44.5  
 170 23.7 19.6 29.4

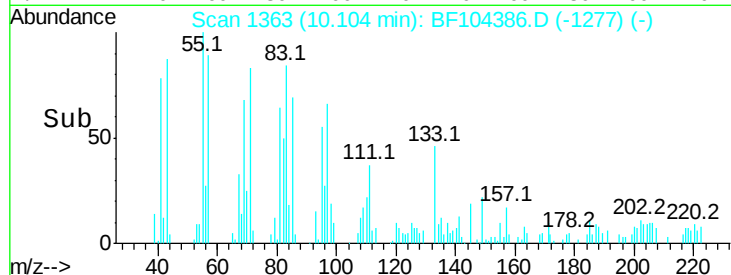
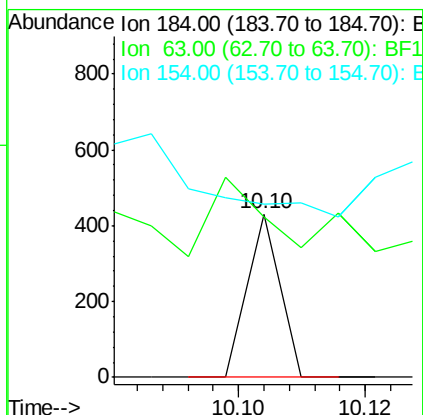
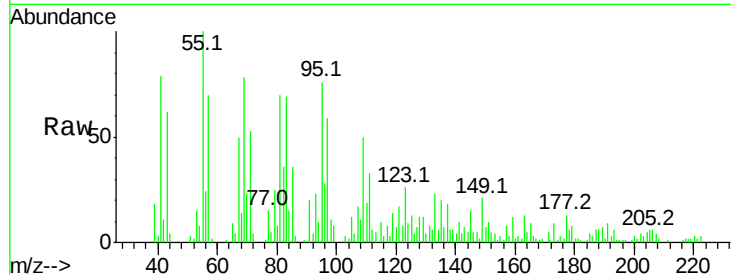




#53  
 2,4-Dinitrophenol  
 Concen: 5.385 ng  
 RT: 10.10 min Scan# 1363  
 Delta R.T. 0.21 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

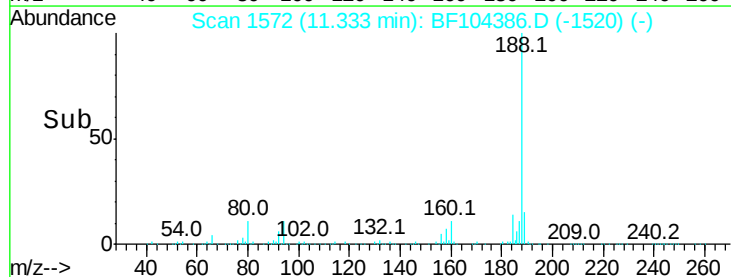
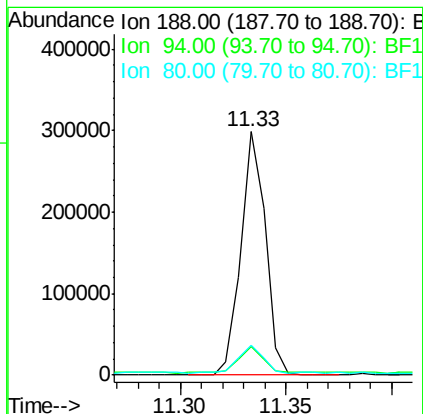
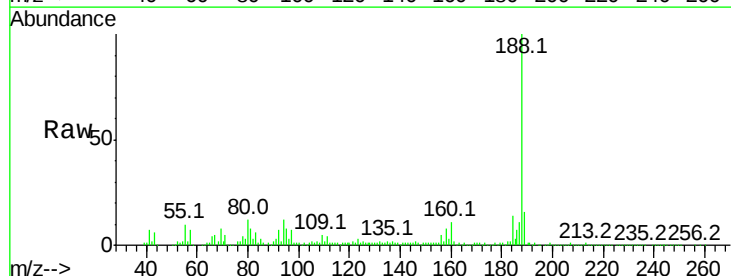
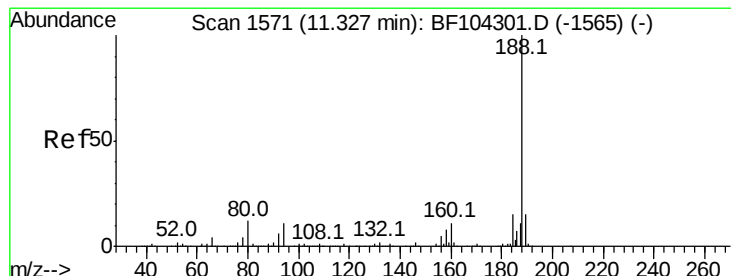
Instrument :  
 BNA\_F  
 ClientSampled :

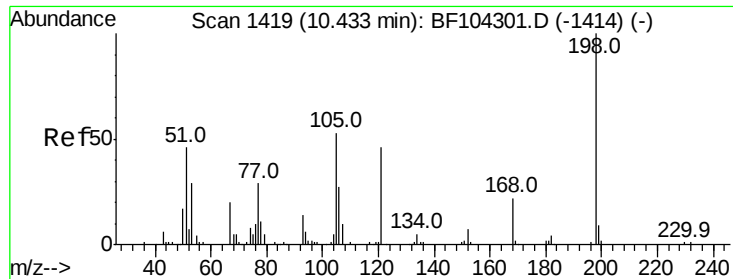
Tot Ion:184 Resp: 152  
 Ion Ratio Lower Upper  
 184 100  
 63 98.4 54.2 81.2#  
 154 106.3 184.0 276.0#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. 0.01 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

Tgt Ion:188 Resp: 239108  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 8.5 12.7  
 80 12.3 9.2 13.8

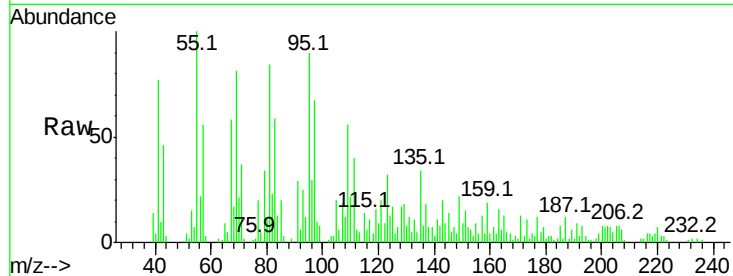




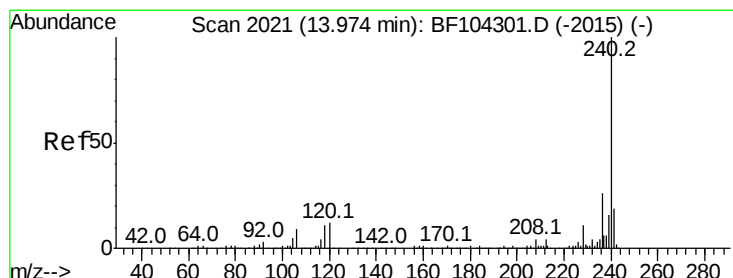
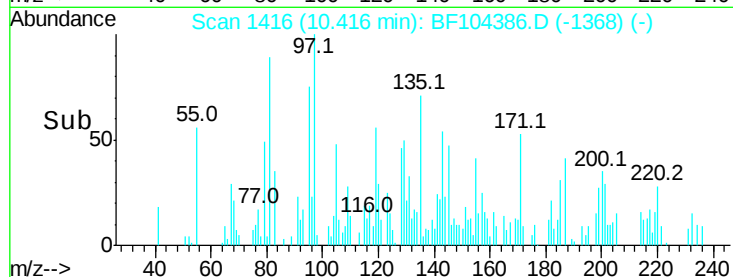
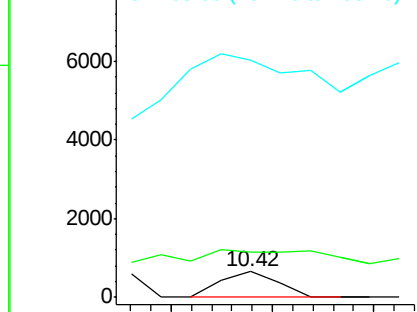
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.719 ng  
 RT: 10.42 min Scan# 1416  
 Delta R.T. -0.02 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:198 Resp: 512  
 Ion Ratio Lower Upper  
 198 100  
 51 179.9 37.7 77.7#  
 105 932.8 36.3 76.3#

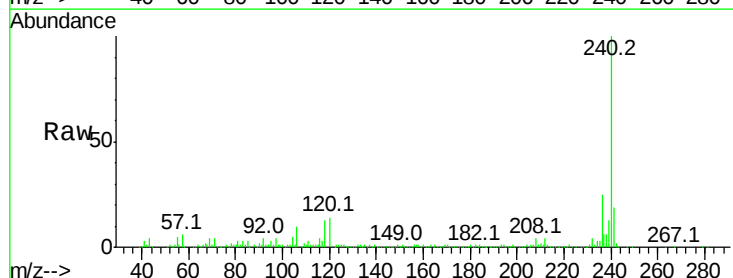


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

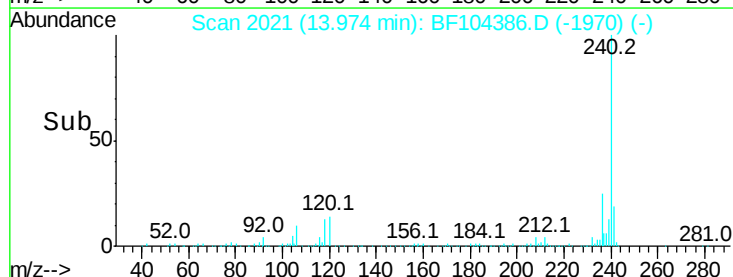
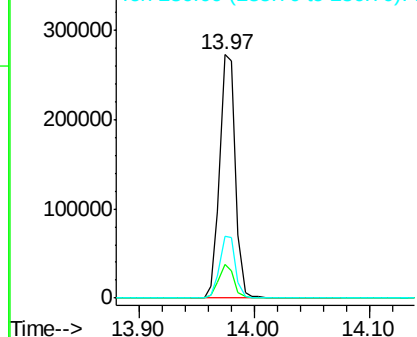


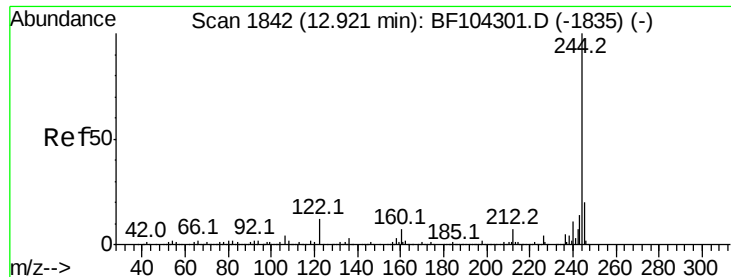
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

Tgt Ion:240 Resp: 259596  
 Ion Ratio Lower Upper  
 240 100  
 120 14.1 9.5 14.3  
 236 25.3 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

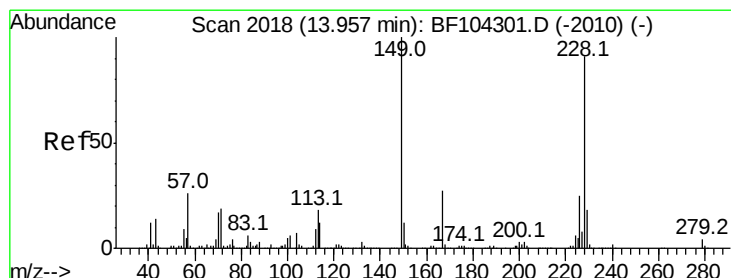
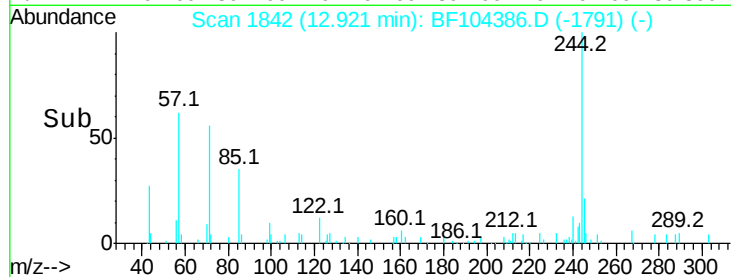
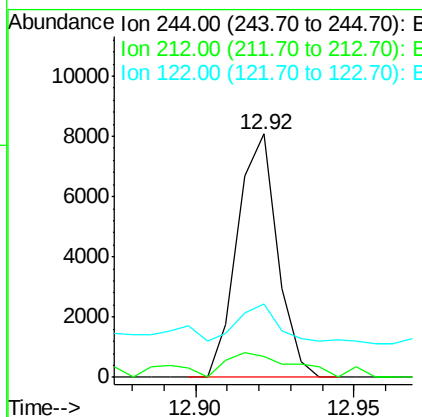
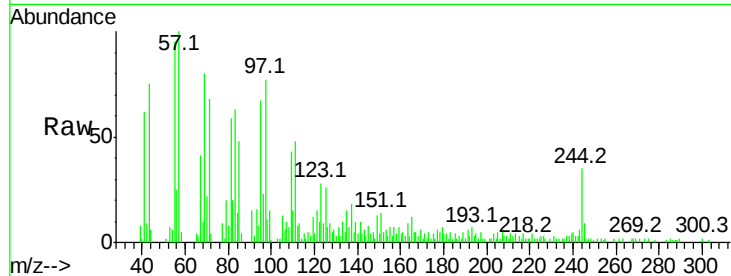




#78  
 Terphenyl-d14  
 Concen: 0.621 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

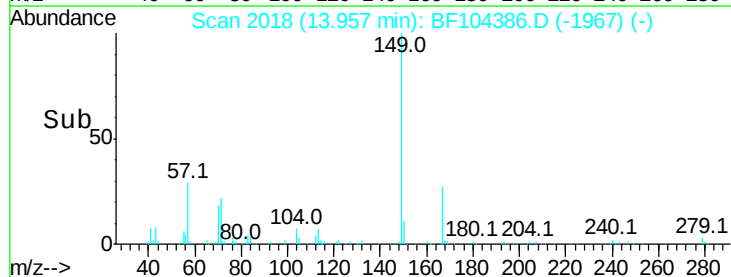
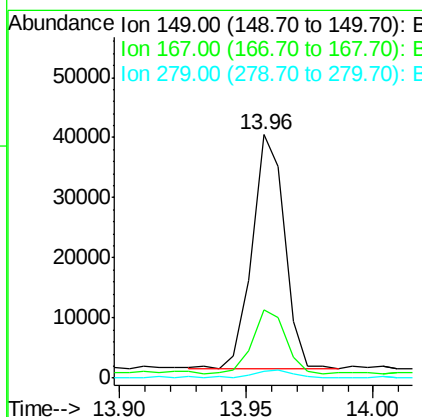
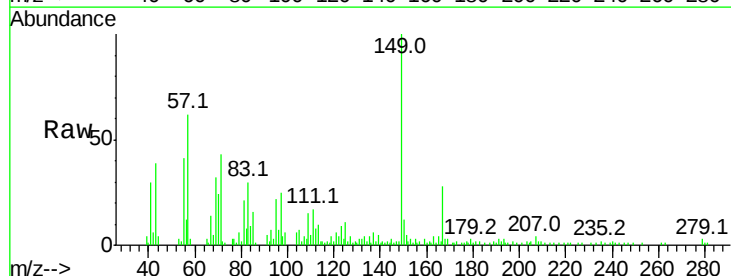
Instrument :  
 BNA\_F  
 ClientSampleId :

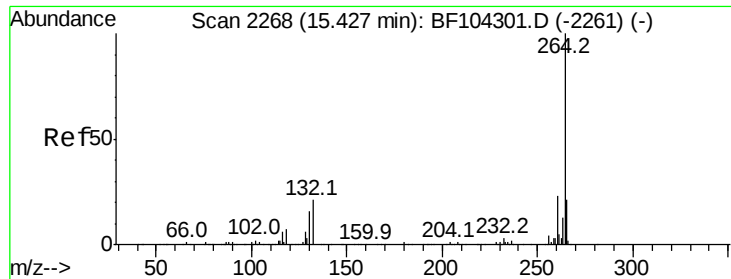
Tot Ion:244 Resp: 7073  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 5.4 8.0#  
 122 30.0 11.0 16.4#



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.997 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.00 min  
 Lab File: BF104386.D  
 Acq: 9 Apr 2018 22:21

Tgt Ion:149 Resp: 34947  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 21.3 31.9  
 279 2.8 3.0 4.4#





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BF104386.D  
Acq: 9 Apr 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 20.9  | 17.5  | 26.3  |

