

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\  
 Data File : BF097234.D  
 Acq On : 1 Aug 2017 16:27  
 Operator : SJ/JU  
 Sample : I4488-06RE  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072717-B

Quant Time: Aug 01 17:28:00 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 01 14:57:42 2017  
 Response via : Initial Calibration

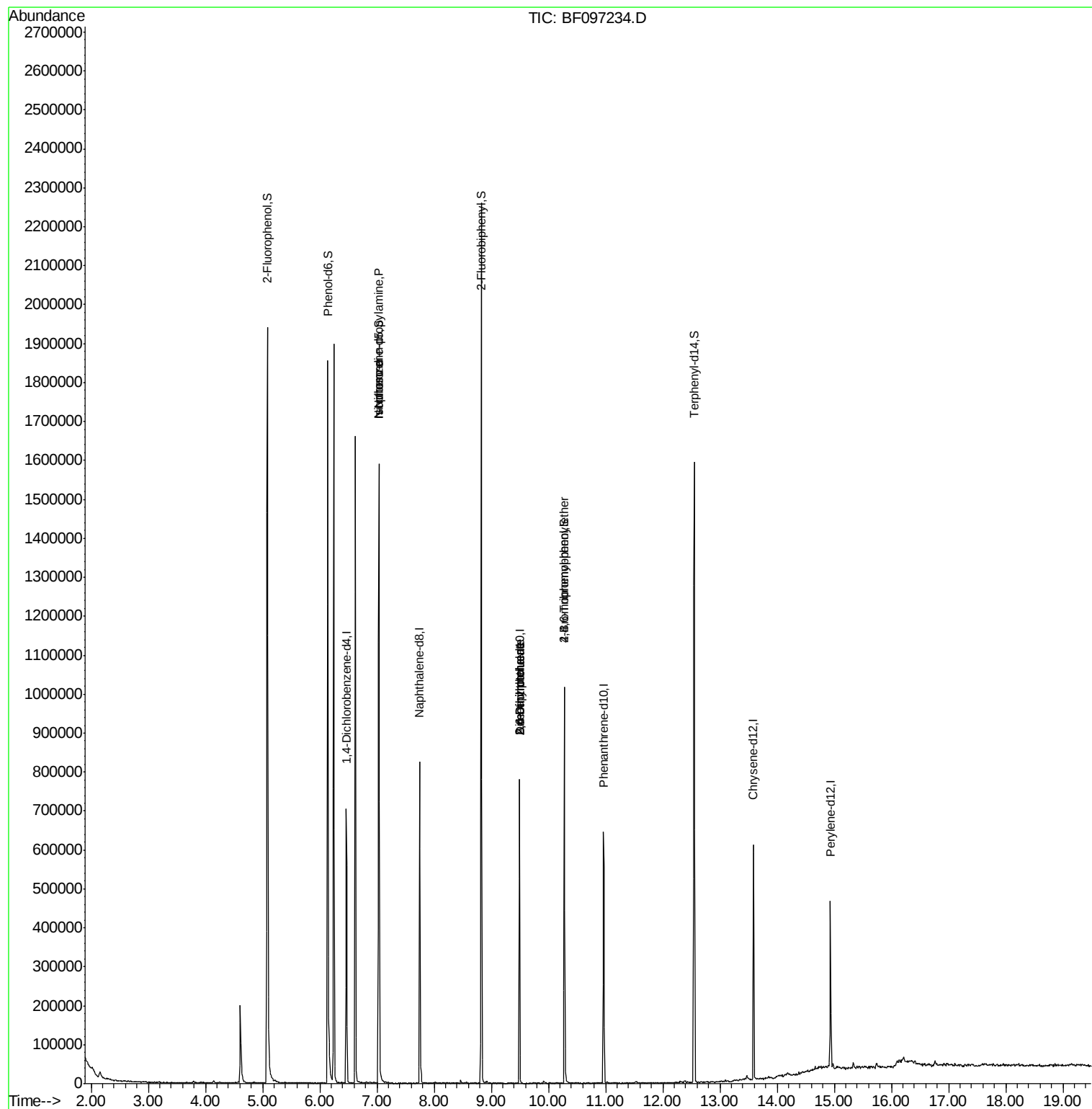
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.46  | 152  | 99991    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.75  | 136  | 363739   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.49  | 164  | 141254   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 10.96 | 188  | 223129   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.59 | 240  | 208816   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 14.93 | 264  | 160050   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.08  | 112  | 601389   | 90.67  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.14  | 99   | 617753   | 81.58  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.03  | 82   | 466797   | 75.29  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.28 | 330  | 102911   | 92.21  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.83  | 172  | 675856   | 81.20  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.55 | 244  | 469592   | 45.85  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.03  | 70   | 60917    | 12.222 | ng    | # 88     |
| 25) Isophorone                 | 7.03  | 82   | 458553   | 37.764 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.49  | 163  | 42707    | 3.981  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.49  | 165  | 18226    | 8.011  | ng    | # 32     |
| 56) 2,4-Dinitrotoluene         | 9.49  | 165  | 18226    | 6.969  | ng    | # 32     |
| 66) 4-Bromophenyl-phenylether  | 10.28 | 248  | 6636     | 2.980  | ng    | # 1      |

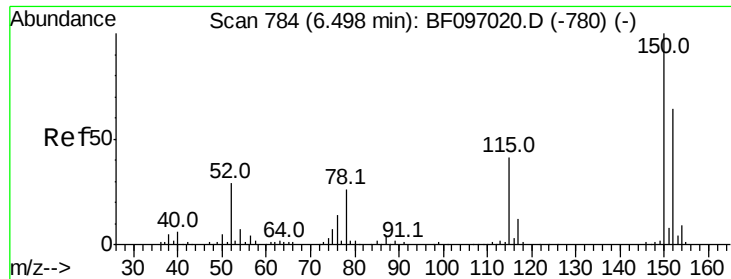
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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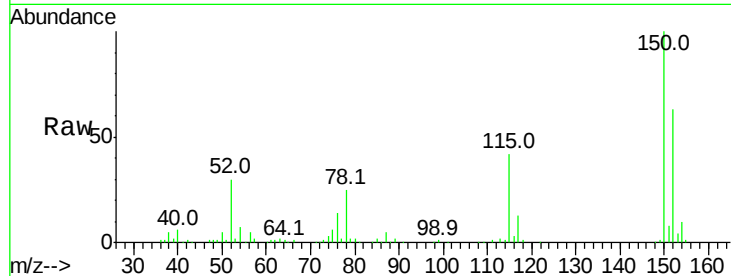


#1

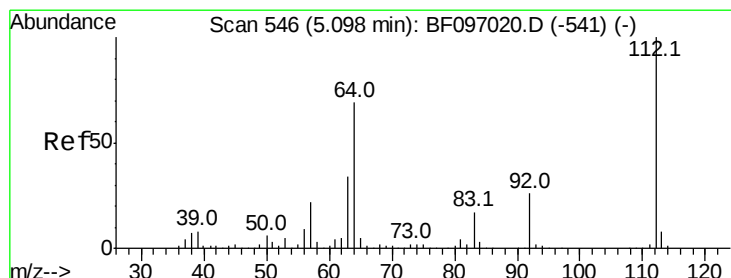
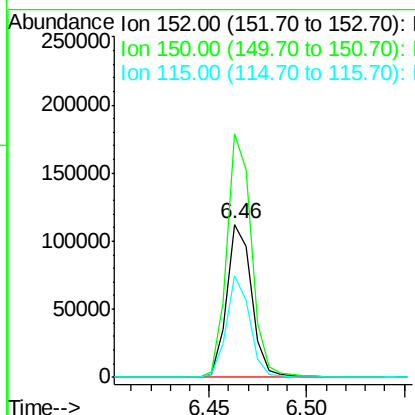
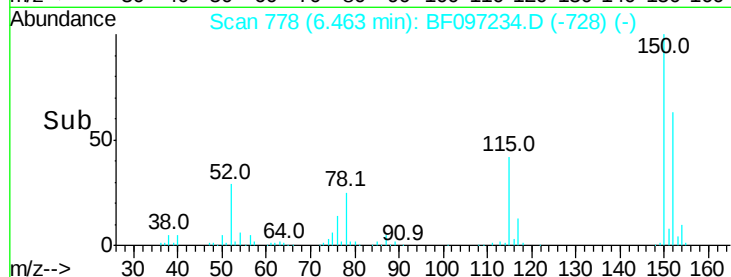
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.46 min Scan# 778  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-072717-B

Tot Ion:152 Resp: 99991  
Ion Ratio Lower Upper  
152 100  
150 158.8 126.2 189.2  
115 66.5 52.2 78.2



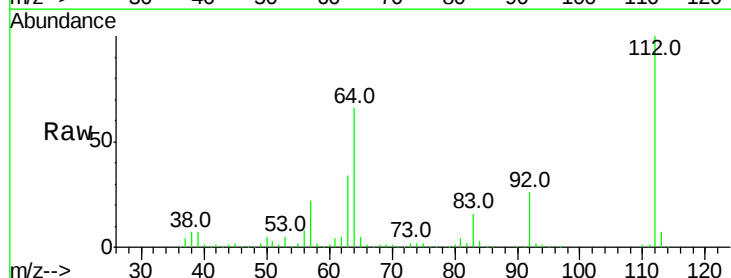
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



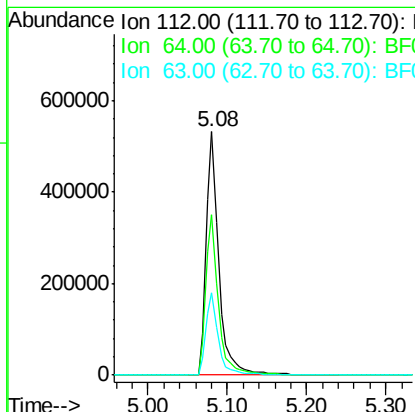
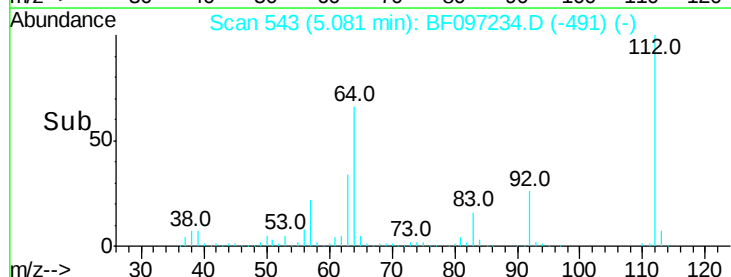
#5

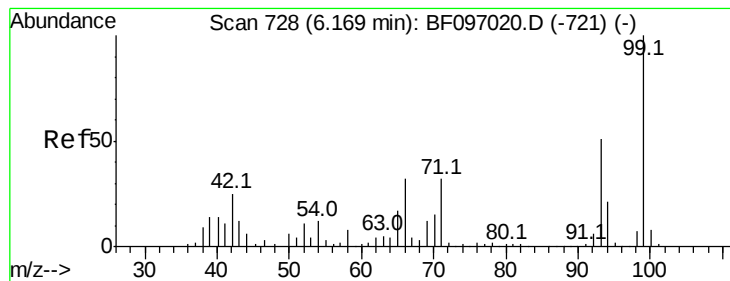
2-Fluorophenol  
Concen: 90.667 ng  
RT: 5.08 min Scan# 543  
Delta R.T. 0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Tgt Ion:112 Resp: 601389  
Ion Ratio Lower Upper  
112 100  
64 65.9 46.0 69.0  
63 33.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.581 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-072717-B

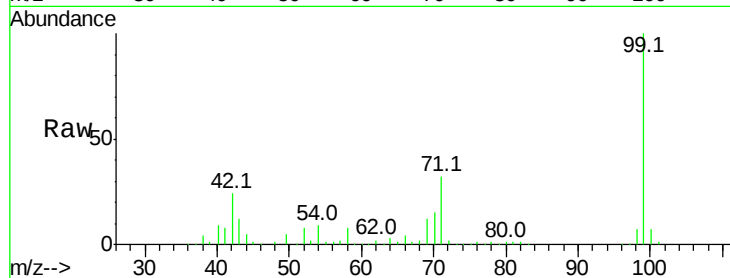
Tot Ion: 99 Resp: 617753

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

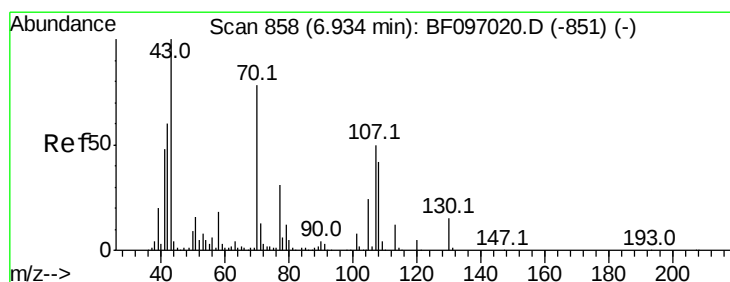
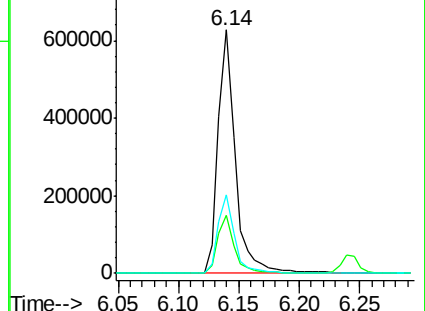
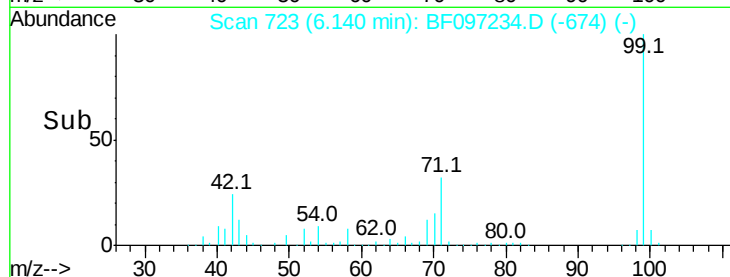
71 32.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.222 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.12 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

Tgt Ion: 70 Resp: 60917

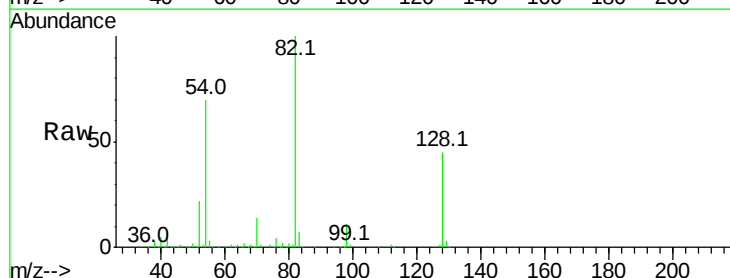
Ion Ratio Lower Upper

70 100

42 59.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

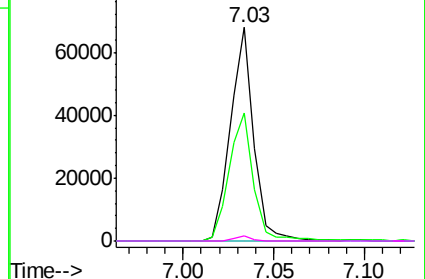
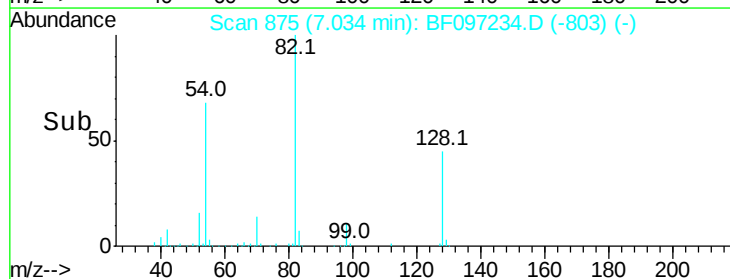


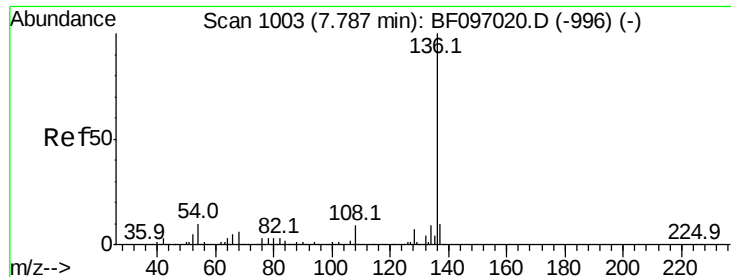
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

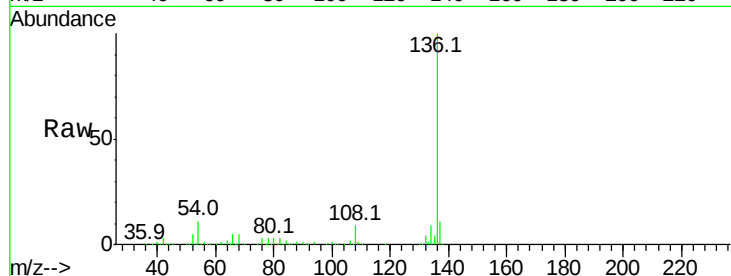




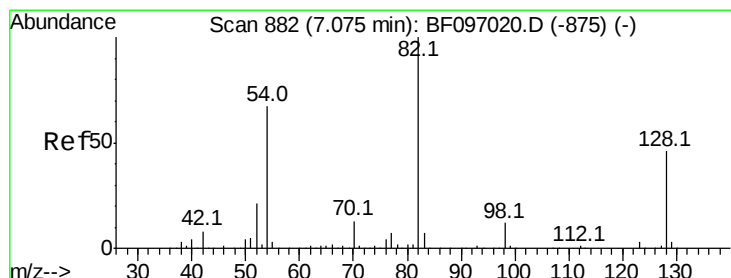
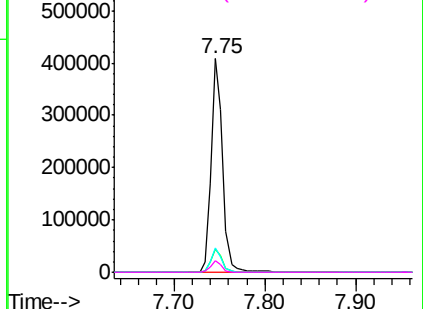
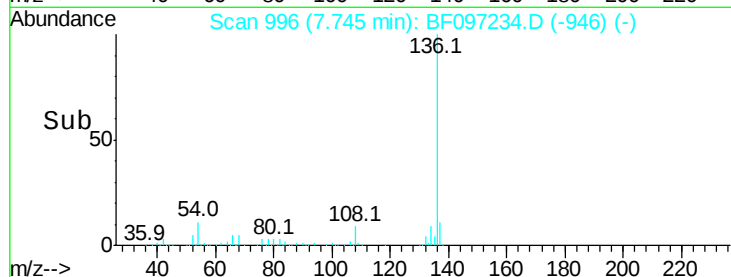
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.75 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-072717-B

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 363739      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 8.5 12.7    |
| 54          | 11.1  | 4.9 7.3#    |
| 68          | 5.3   | 4.1 6.1     |

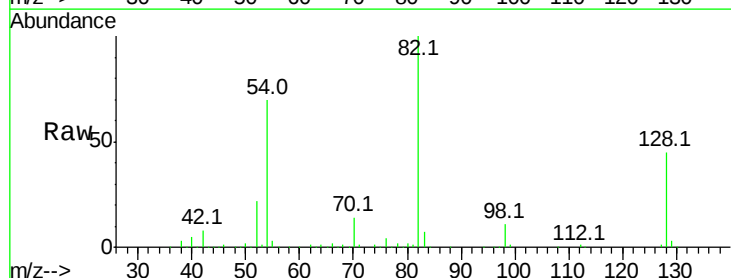


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

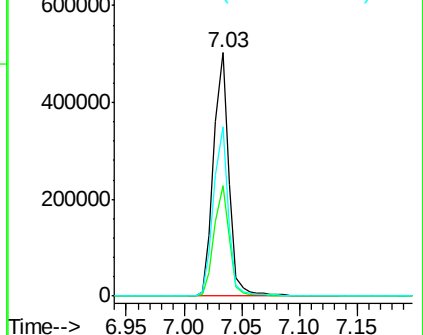
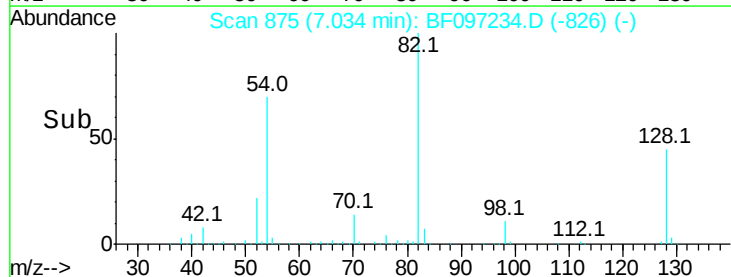


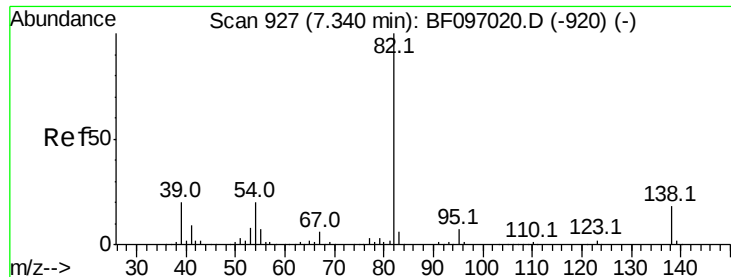
#23  
Nitrobenzene-d5  
Concen: 75.285 ng  
RT: 7.03 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 466797      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.3  | 34.0 51.0   |
| 54          | 69.6  | 42.2 63.2#  |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.764 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.28 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-072717-B

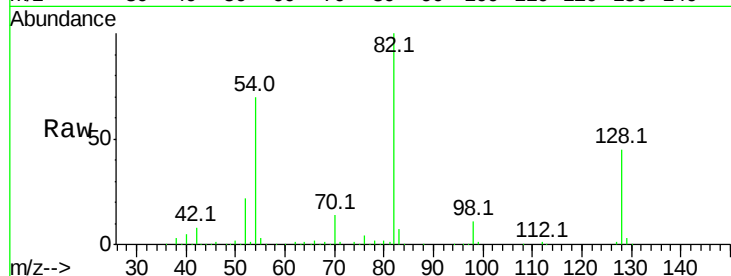
Tot Ion: 82 Resp: 458553

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

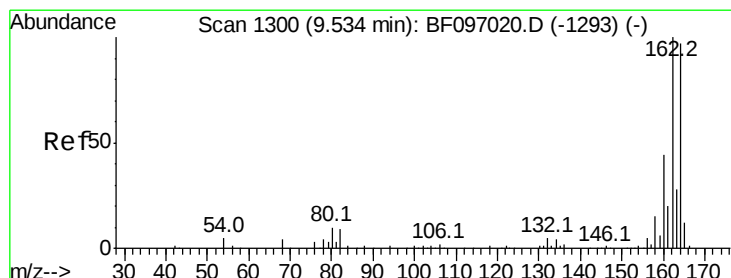
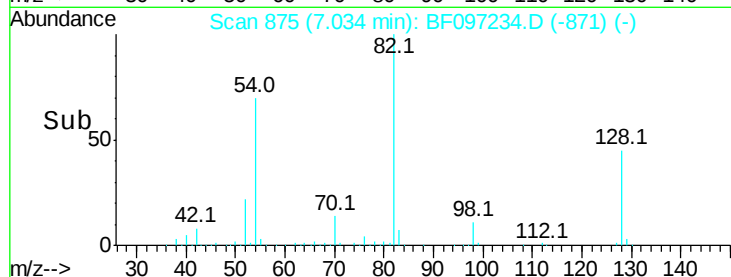
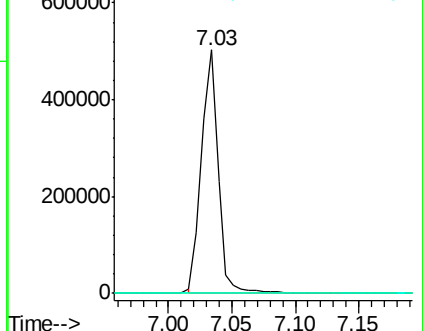
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

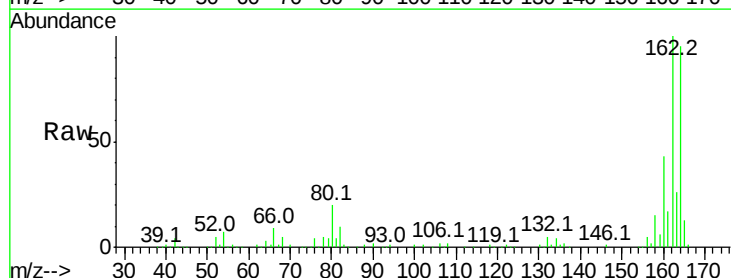
Tgt Ion:164 Resp: 141254

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

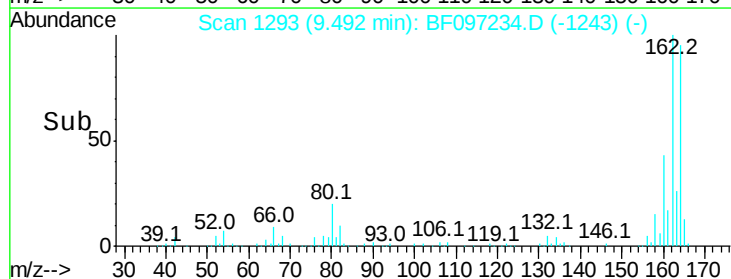
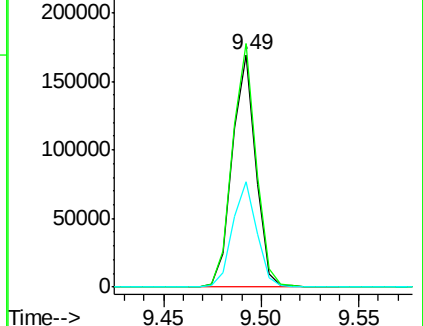
160 45.1 36.2 54.2

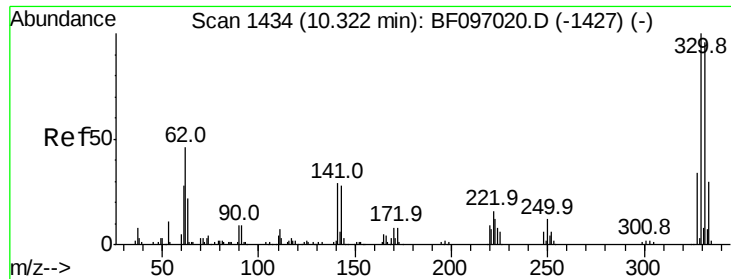


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

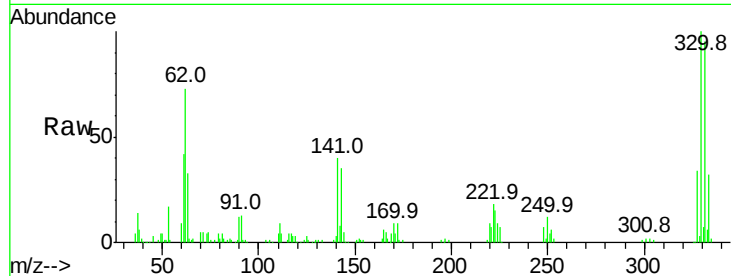




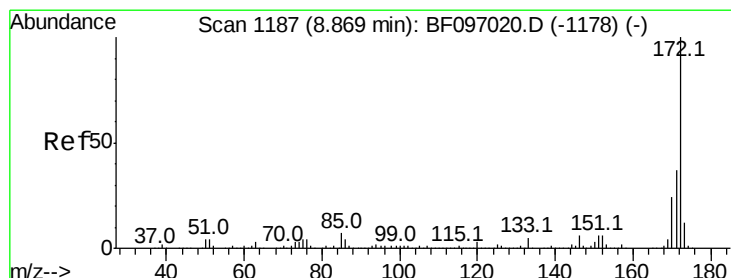
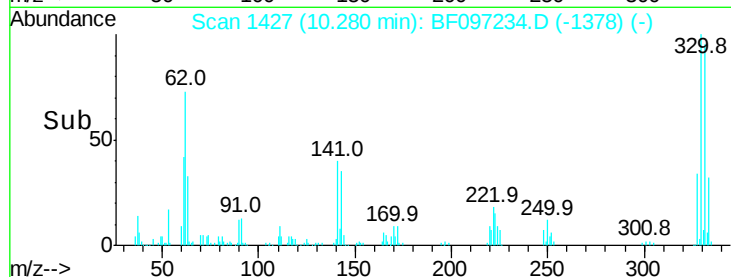
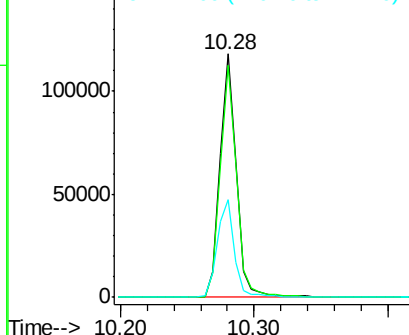
#41  
 2,4,6-Tribromophenol  
 Concen: 92.211 ng  
 RT: 10.28 min Scan# 1427  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072717-B

Tot Ion:330 Resp: 102911  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 115.0  
 141 41.6 31.4 47.2

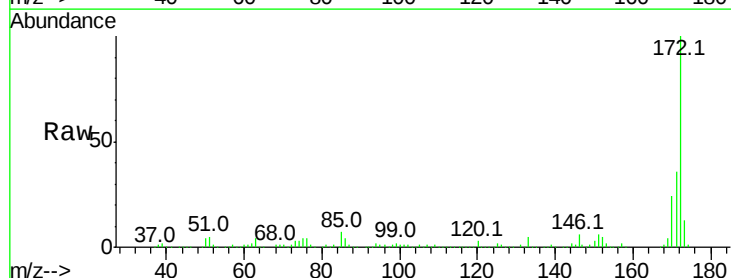


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

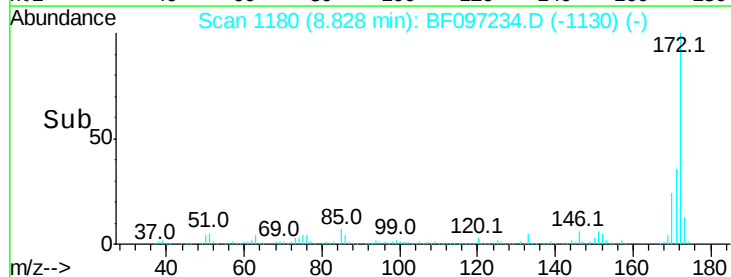
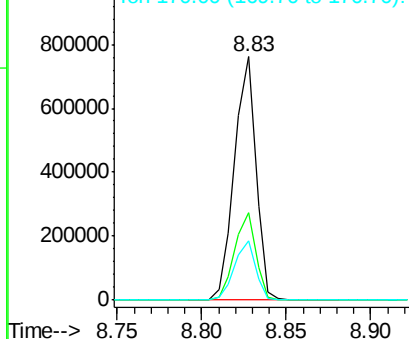


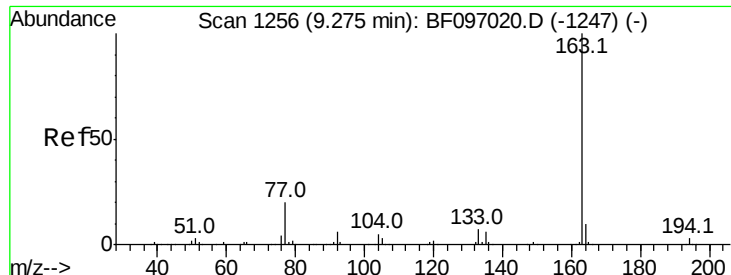
#44  
 2-Fluorobiphenyl  
 Concen: 81.201 ng  
 RT: 8.83 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

Tgt Ion:172 Resp: 675856  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.6 44.4  
 170 24.5 19.8 29.8



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

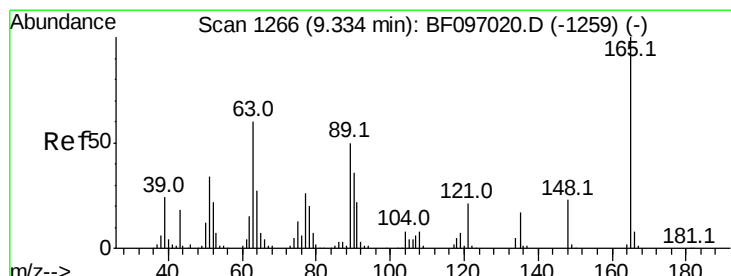
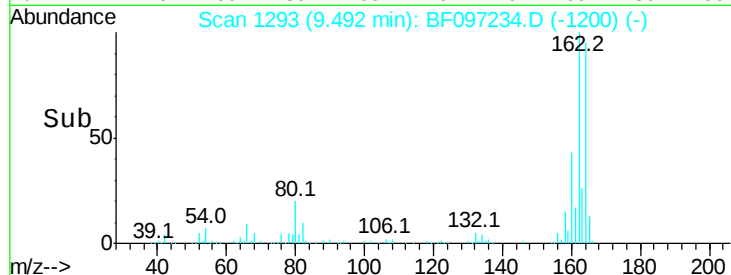
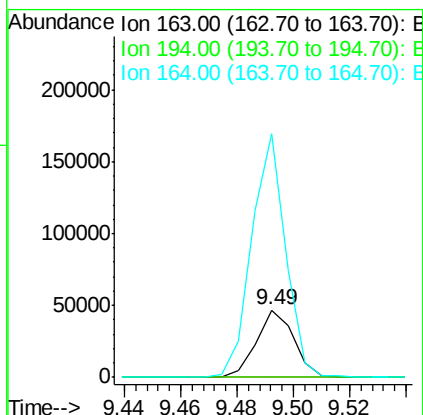
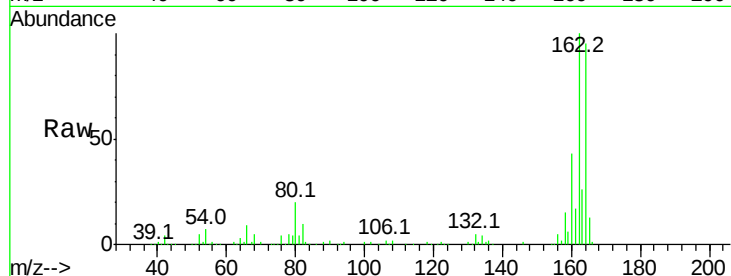




#49  
Dimethylphthalate  
Concen: 3.981 ng  
RT: 9.49 min Scan# 1293  
Delta R.T. 0.25 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

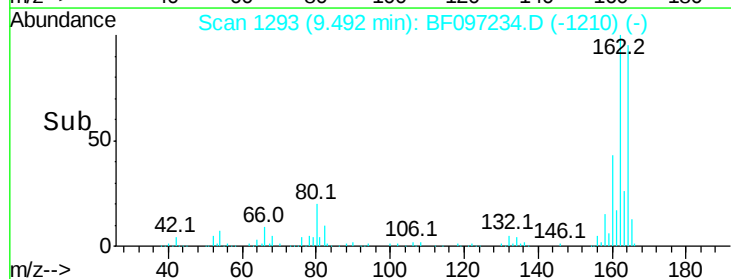
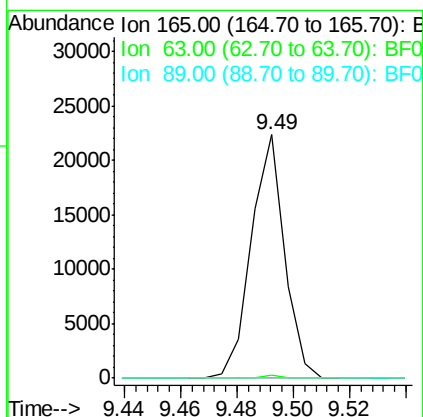
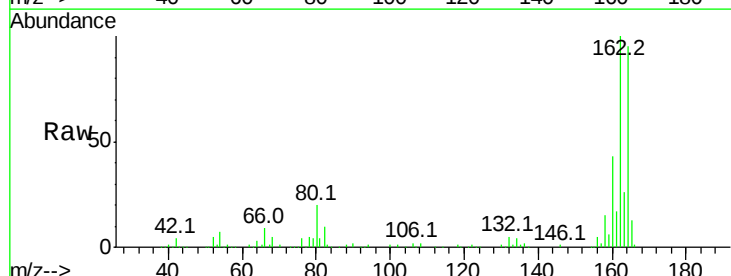
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-072717-B

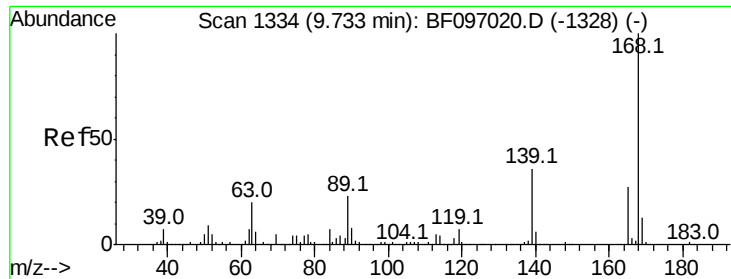
Tot Ion:163 Resp: 42707  
Ion Ratio Lower Upper  
163 100  
194 0.0 2.6 4.0#  
164 362.9 8.4 12.6#



#50  
2,6-Dinitrotoluene  
Concen: 8.011 ng  
RT: 9.49 min Scan# 1293  
Delta R.T. 0.19 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Tgt Ion:165 Resp: 18226  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 0.0 37.1 55.7#

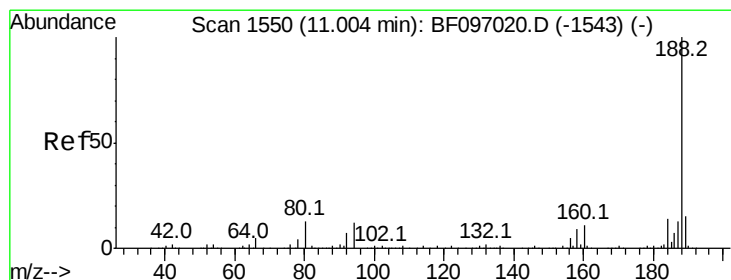
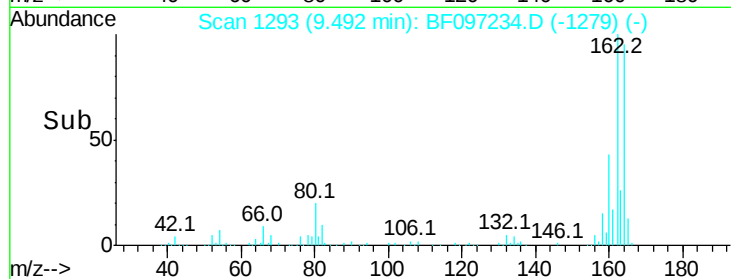
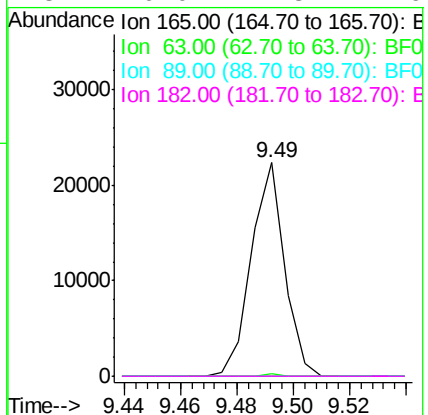
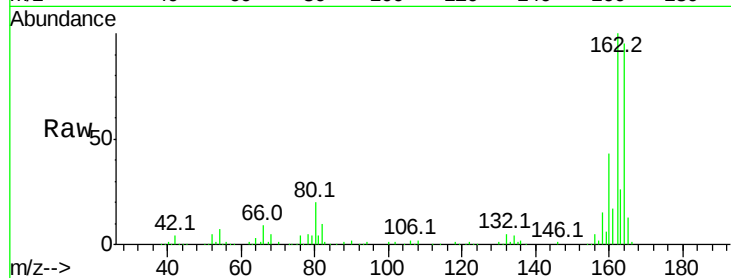




#56  
 2,4-Dinitrotoluene  
 Concen: 6.969 ng  
 RT: 9.49 min Scan# 1293  
 Delta R.T. -0.22 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

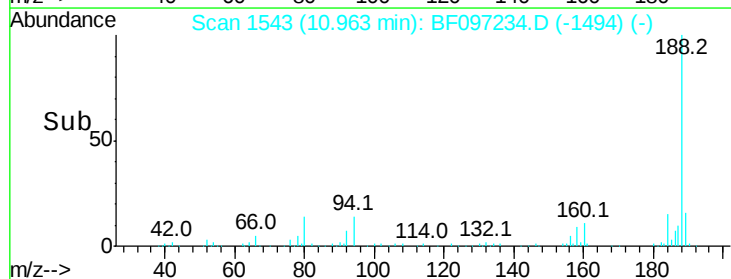
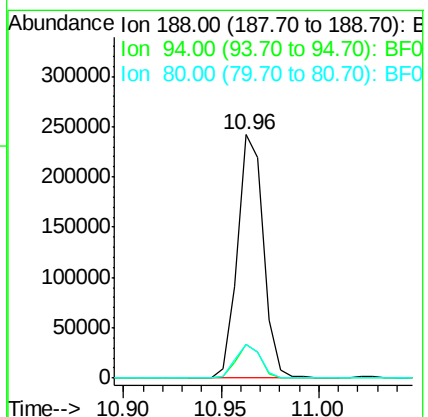
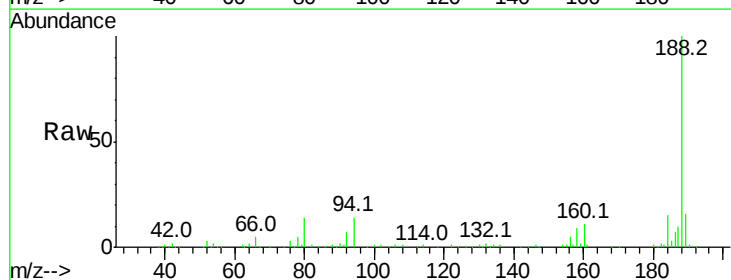
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072717-B

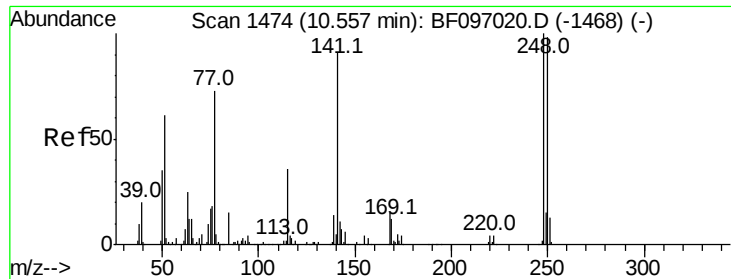
Tot Ion:165 Resp: 18226  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 25.4 38.0#  
 89 0.0 46.4 69.6#  
 182 0.0 1.8 2.6#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 10.96 min Scan# 1543  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

Tgt Ion:188 Resp: 223129  
 Ion Ratio Lower Upper  
 188 100  
 94 14.0 9.4 14.2  
 80 13.9 10.2 15.2

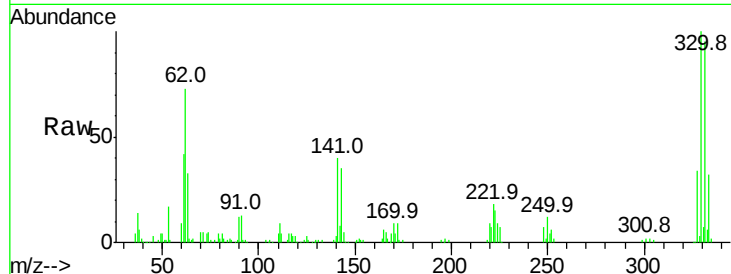




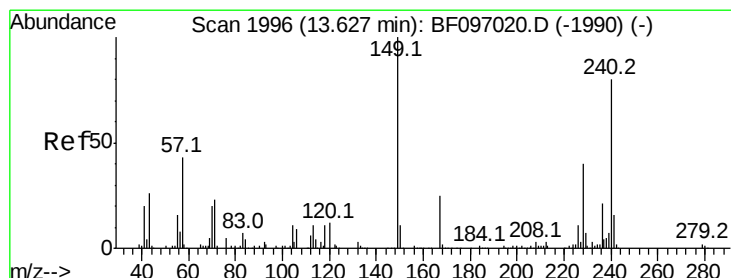
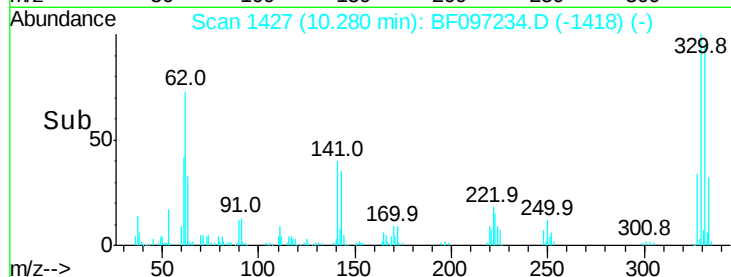
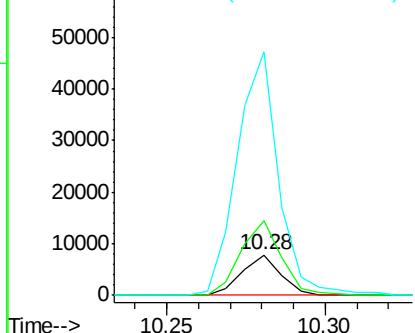
#66  
4-Bromophenyl-phenylether  
Concen: 2.980 ng  
RT: 10.28 min Scan# 1427  
Delta R.T. -0.25 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-072717-B

Tot Ion:248 Resp: 6636  
Ion Ratio Lower Upper  
248 100  
250 183.9 76.8 115.2#  
141 603.0 68.6 103.0#

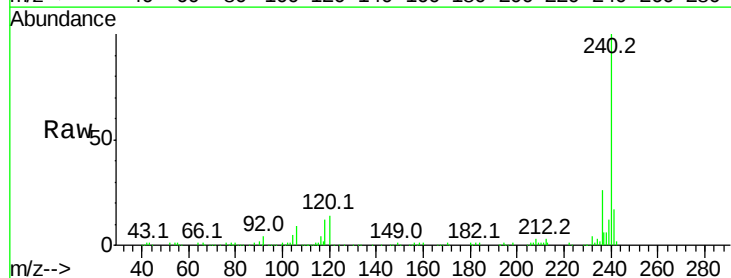


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

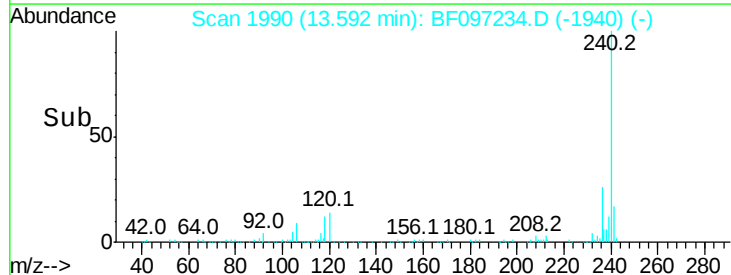
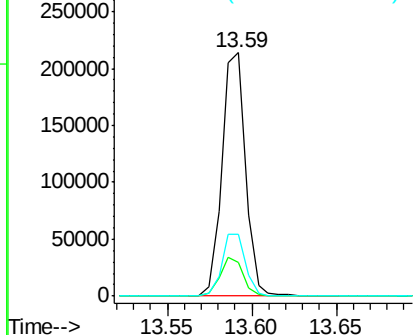


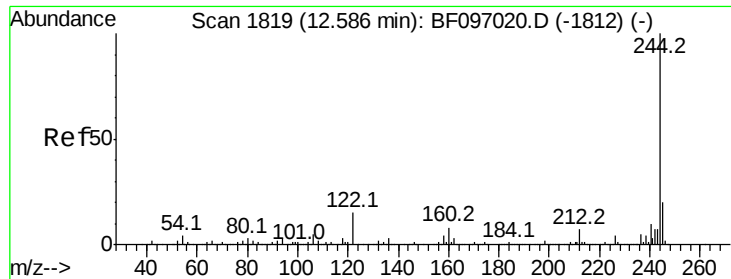
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.59 min Scan# 1990  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

Tgt Ion:240 Resp: 208816  
Ion Ratio Lower Upper  
240 100  
120 13.9 5.8 8.8#  
236 25.6 20.5 30.7



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: 45.850 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

Instrument :

BNA\_F

ClientSampleId :

CL-02-072717-B

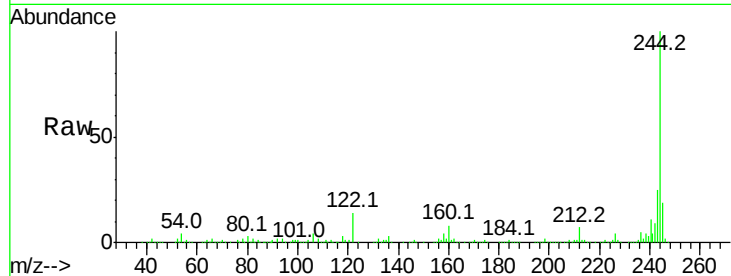
Tot Ion:244 Resp: 469592

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

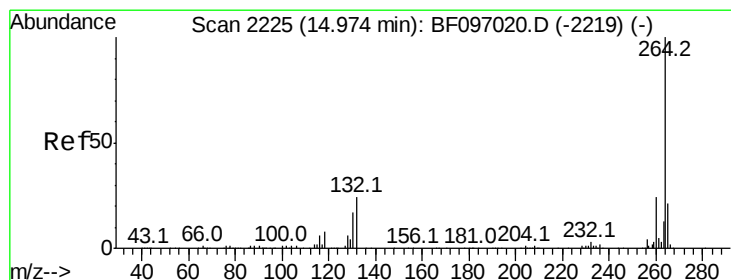
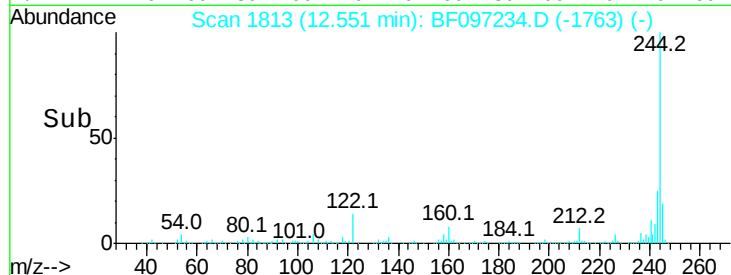
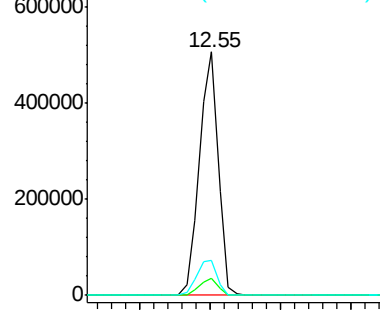
122 14.2 10.3 15.5



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: 14.93 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

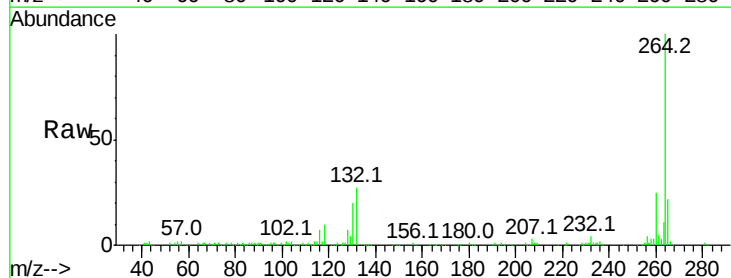
Tgt Ion:264 Resp: 160050

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 21.8 17.2 25.8



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

