

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

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

Quant Time: Aug 01 17:29:27 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     |

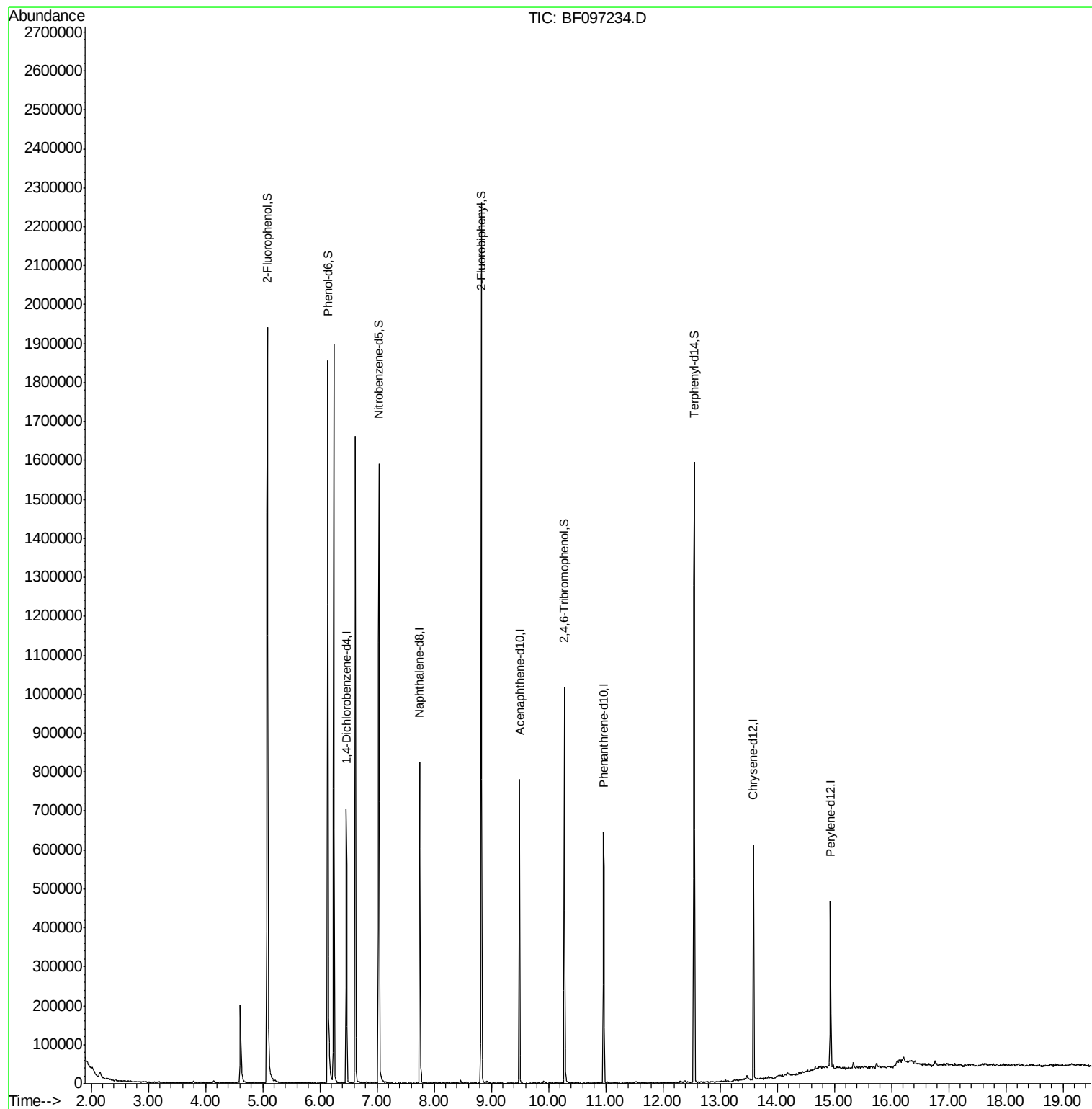
Target Compounds Qvalue

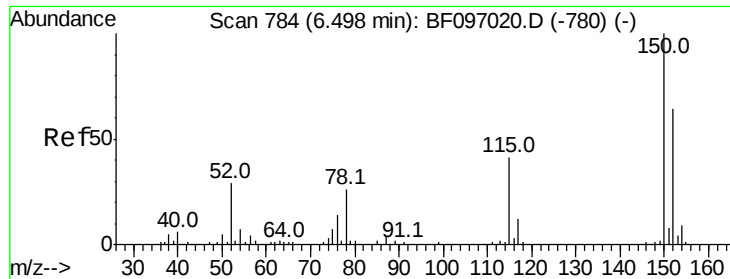
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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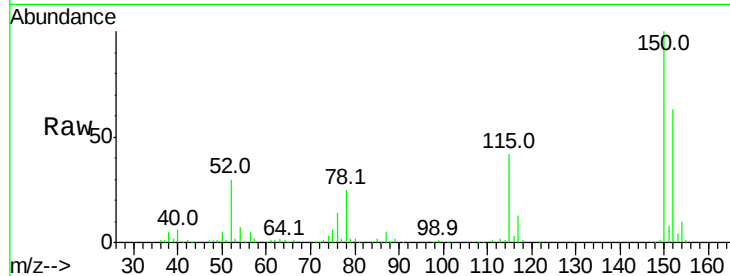


#1

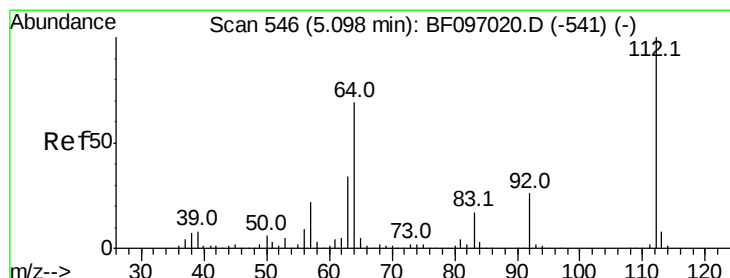
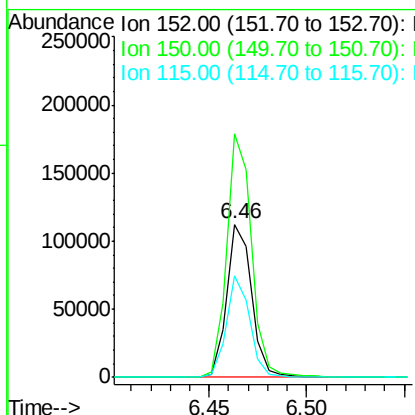
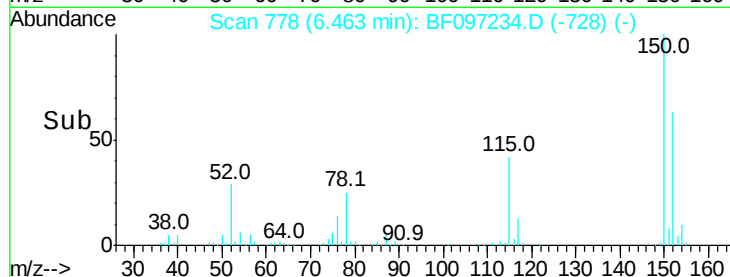
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.46 min Scan# 778  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

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



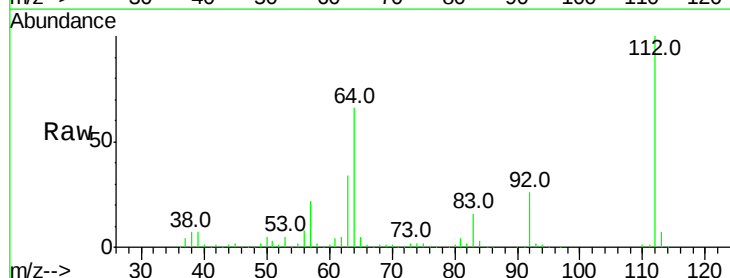
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



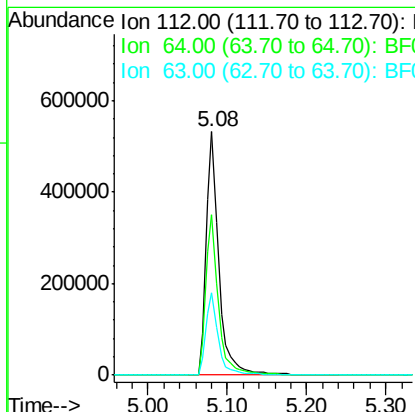
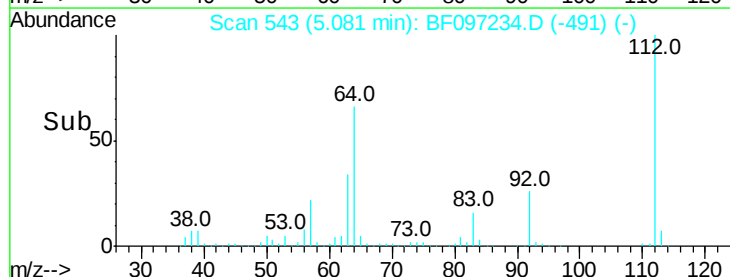
#5

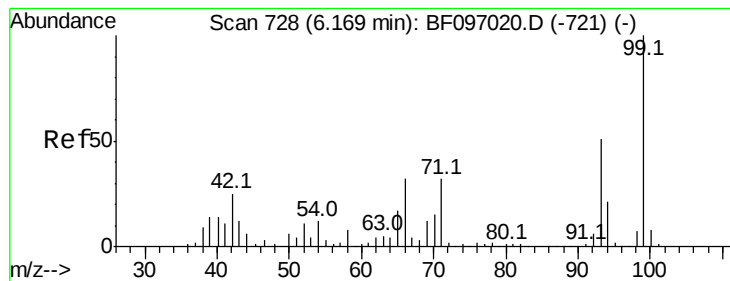
2-Fluorophenol  
Concen: 90.667 ng  
RT: 5.08 min Scan# 543  
Delta R.T. 0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

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 :

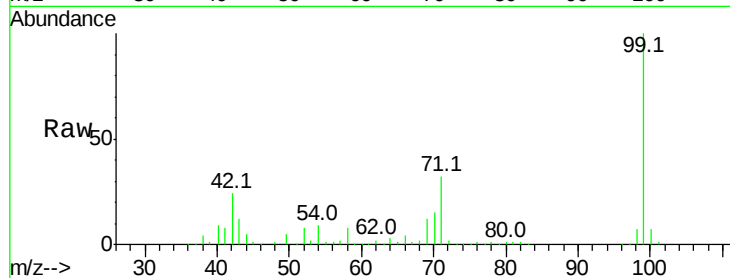
BNA\_F

ClientSampleId :

CL-02-072717-B

Tot Ion: 99 Resp: 617753

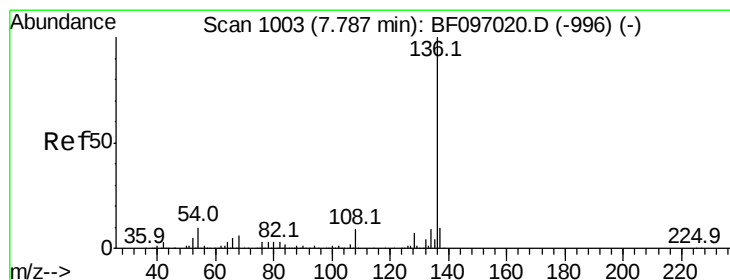
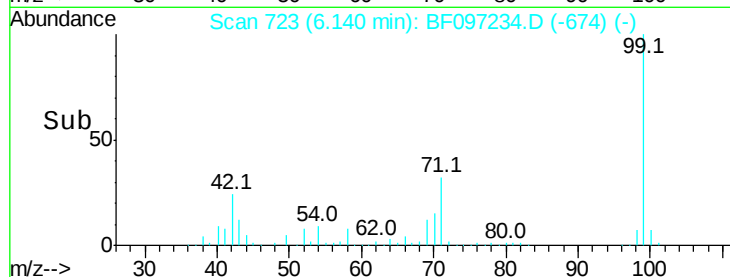
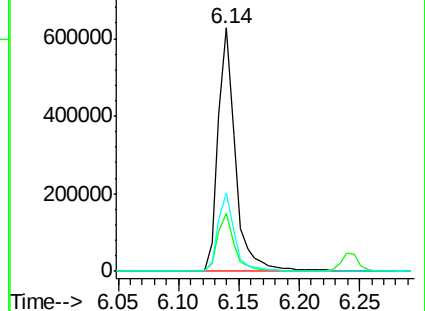
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.6  | 13.5  | 20.3# |
| 71  | 32.2  | 24.5  | 36.7  |



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 996

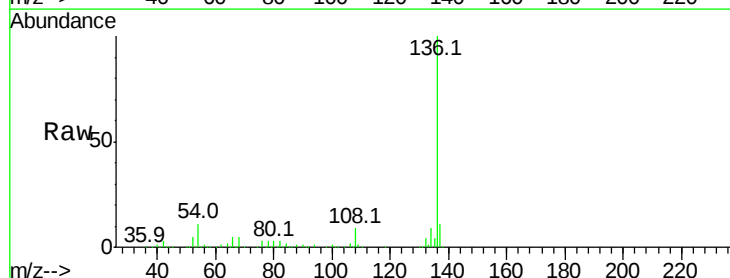
Delta R.T. -0.01 min

Lab File: BF097234.D

Acq: 1 Aug 2017 16:27

Tgt 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   |

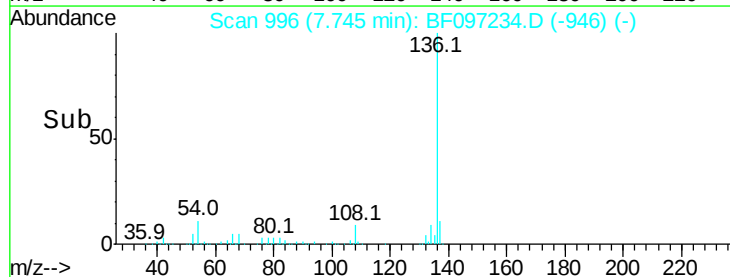
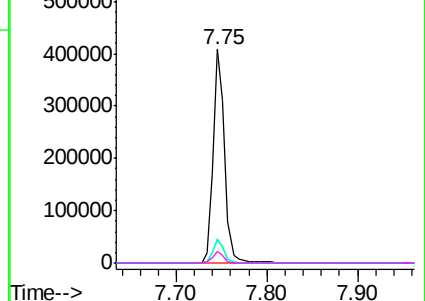


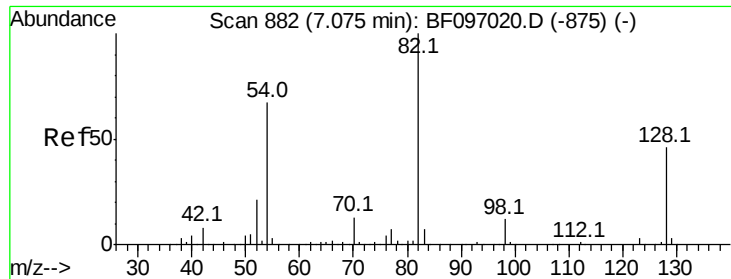
Abundance Ion 136.00 (135.70 to 136.70): E

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

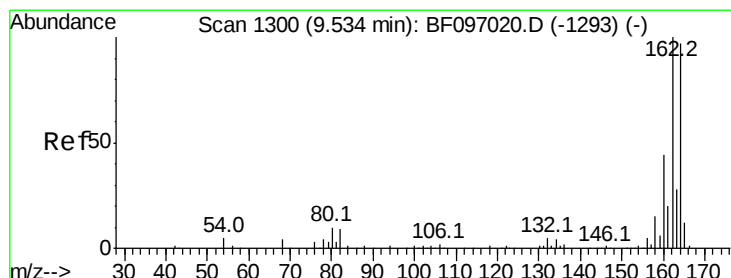
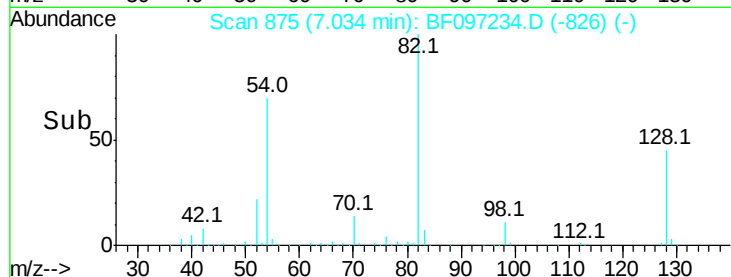
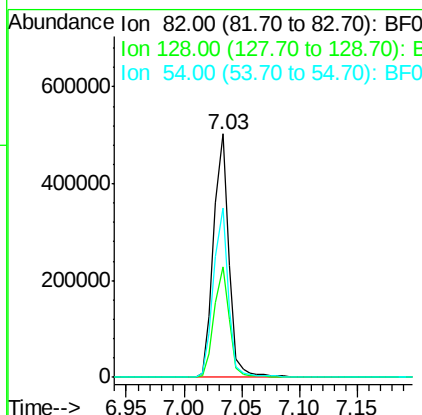
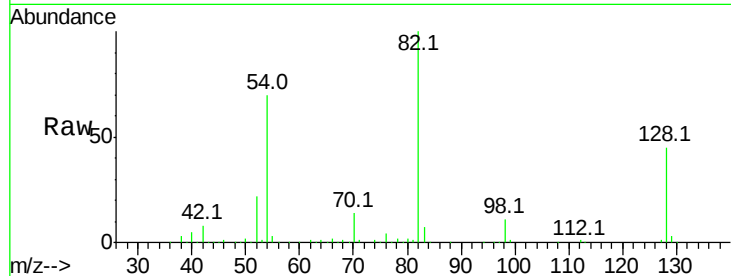




#23  
 Nitrobenzene-d5  
 Concen: 75.285 ng  
 RT: 7.03 min Scan# 875  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

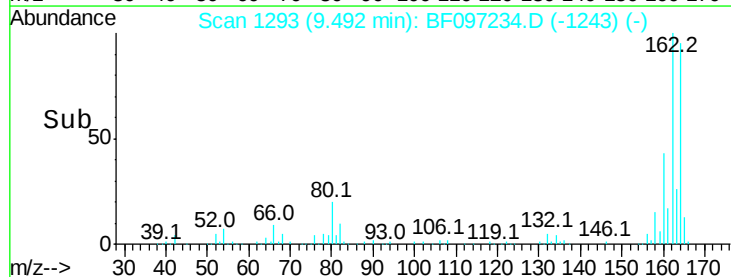
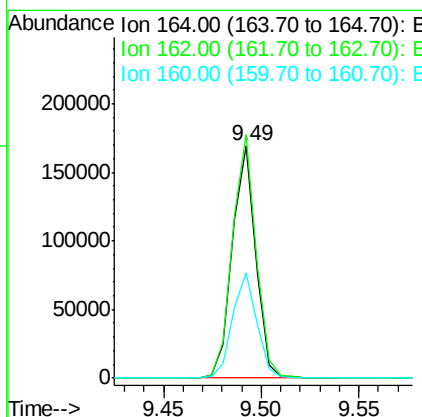
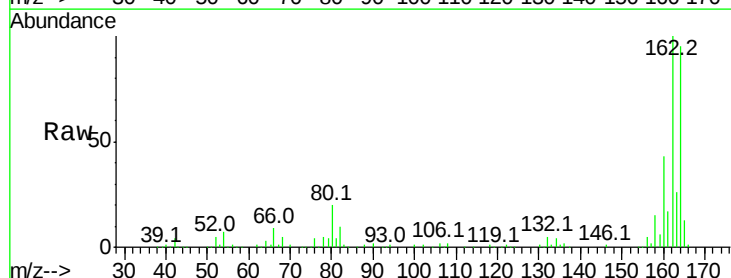
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072717-B

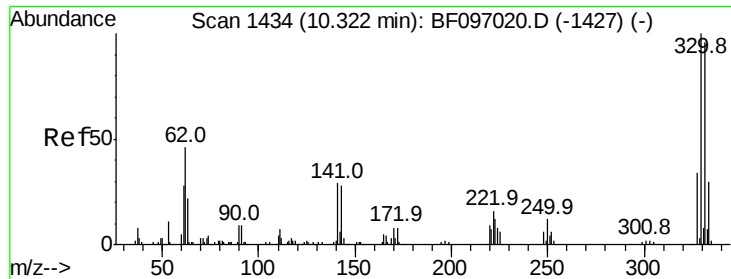
Tot Ion: 82 Resp: 466797  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 34.0 51.0  
 54 69.6 42.2 63.2#



#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

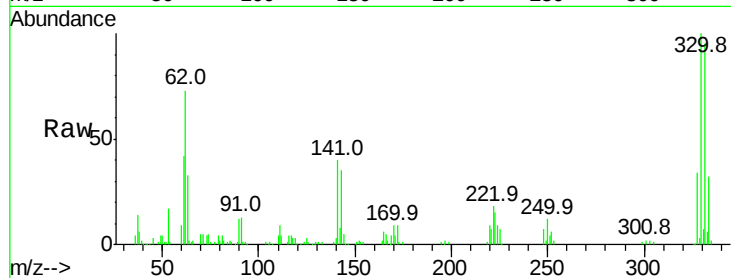




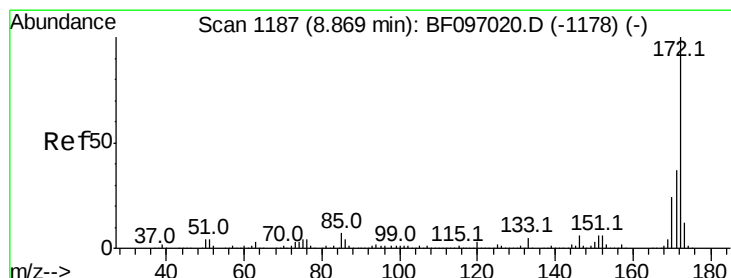
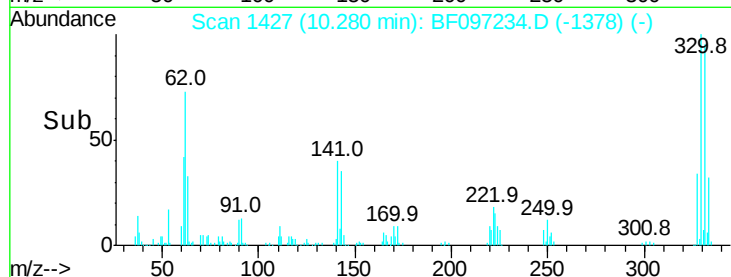
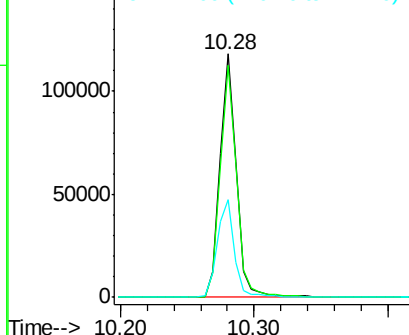
#41  
 2,4,6-Tribromophenol  
 Concen: 92.211 ng  
 RT: 10.28 min Scan# 1427  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 76.6  | 115.0 |
| 141     | 41.6  | 31.4  | 47.2  |

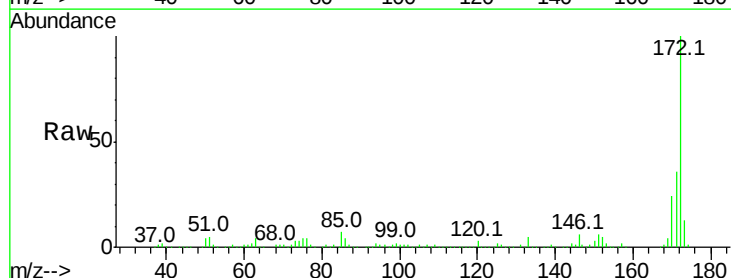


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

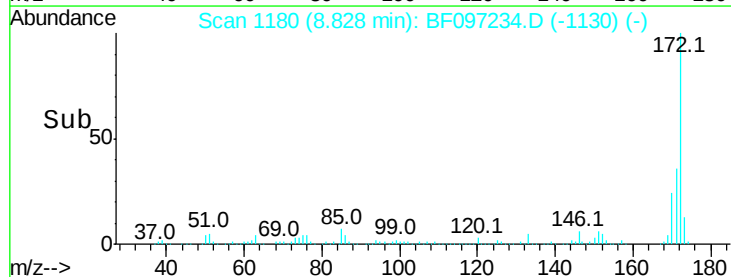
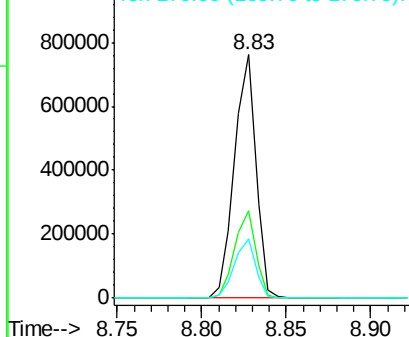


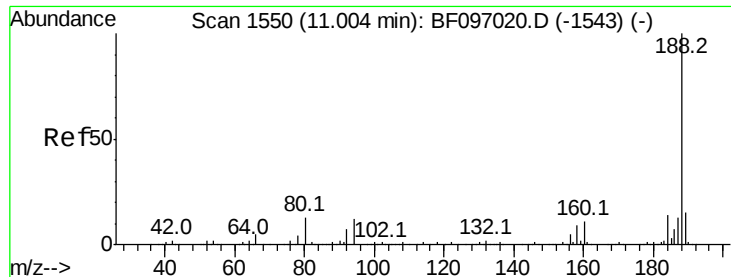
#44  
 2-Fluorobiphenyl  
 Concen: 81.201 ng  
 RT: 8.83 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF097234.D  
 Acq: 1 Aug 2017 16:27

| Tgt Ion | 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

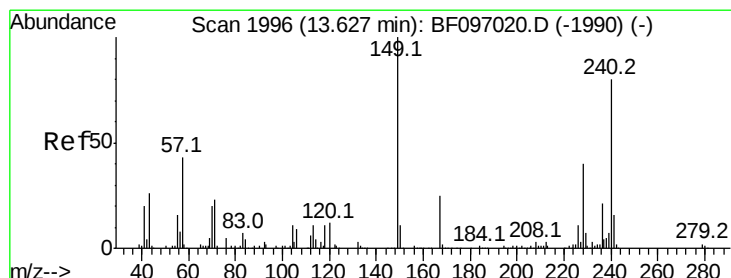
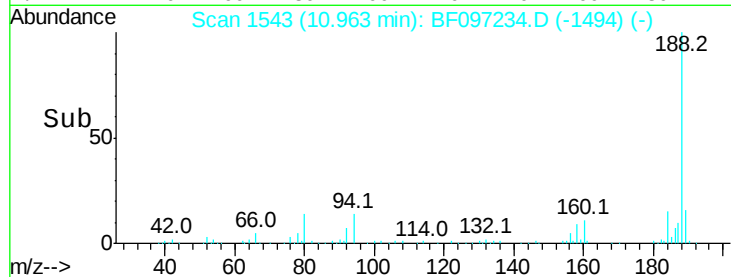
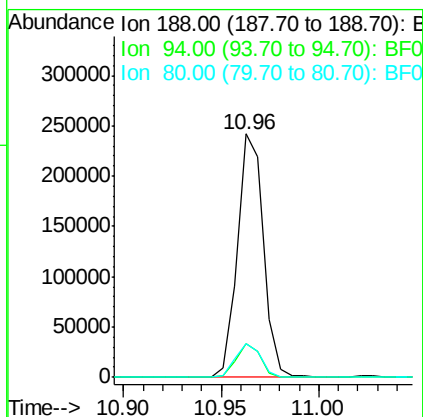
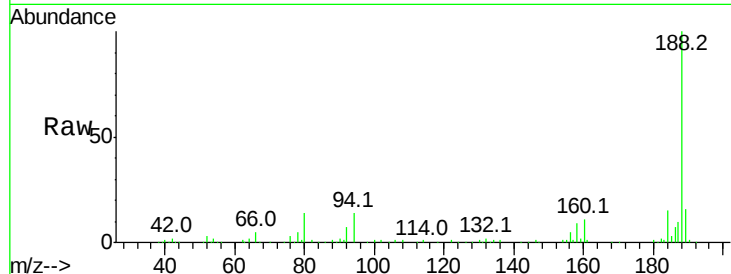




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 10.96 min Scan# 1543  
Delta R.T. -0.01 min  
Lab File: BF097234.D  
Acq: 1 Aug 2017 16:27

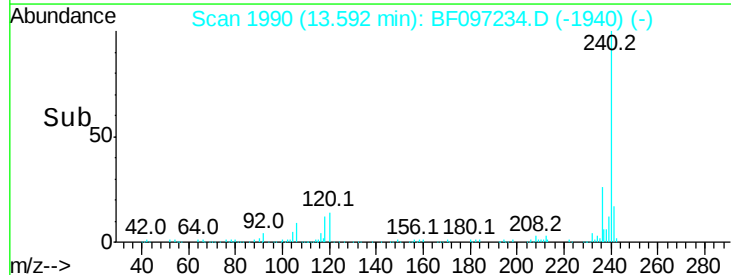
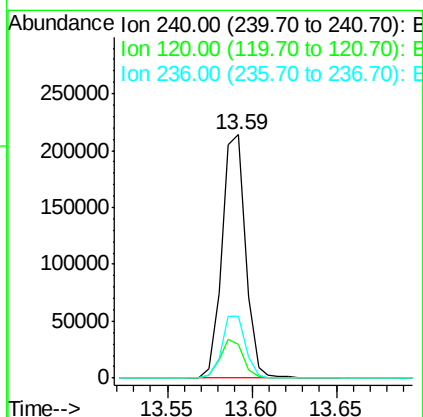
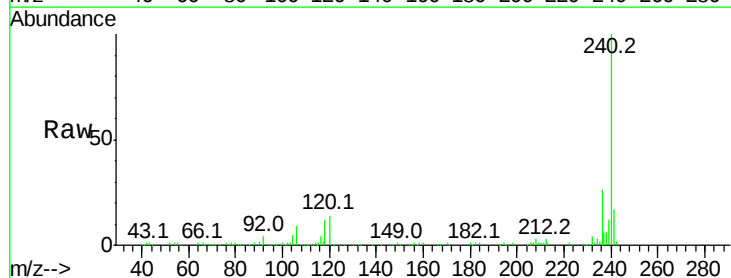
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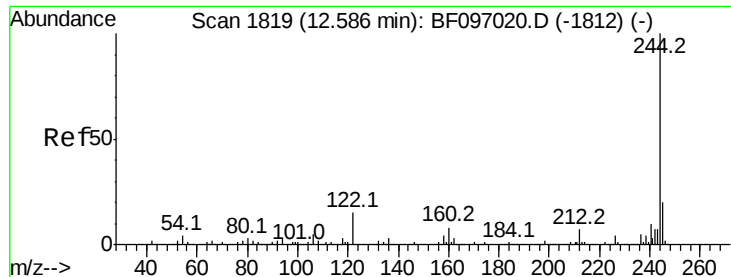
Tot Ion:188 Resp: 223129  
Ion Ratio Lower Upper  
188 100  
94 14.0 9.4 14.2  
80 13.9 10.2 15.2



#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





#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

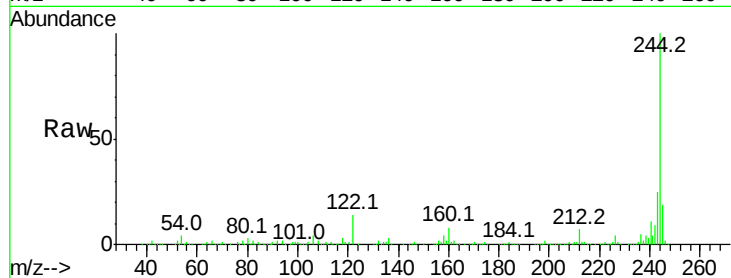
Tot Ion:244 Resp: 469592

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

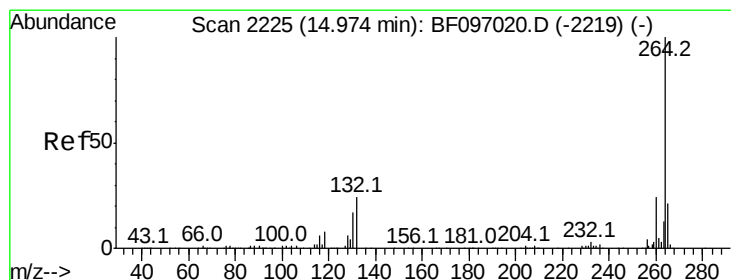
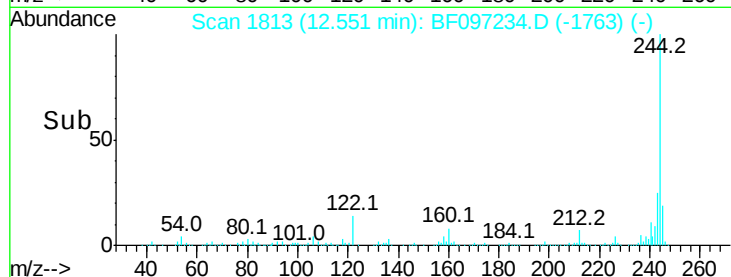
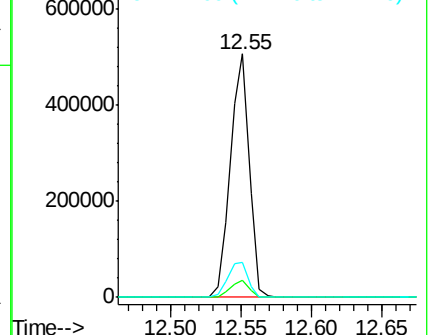
122 14.2 10.3 15.5



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

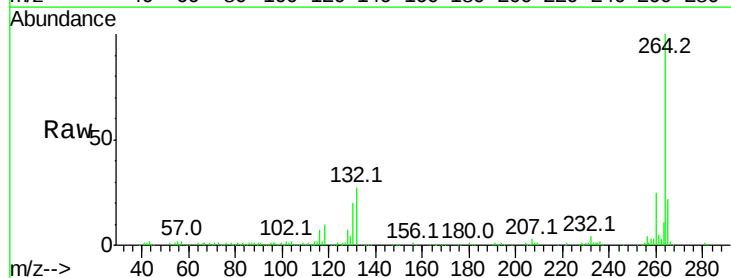
Tgt Ion:264 Resp: 160050

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

