

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\  
 Data File : BF097374.D  
 Acq On : 4 Aug 2017 23:52  
 Operator : SJ/JU  
 Sample : I4591-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-2-COMP

Quant Time: Aug 05 01:29:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 01:17:22 2017  
 Response via : Initial Calibration

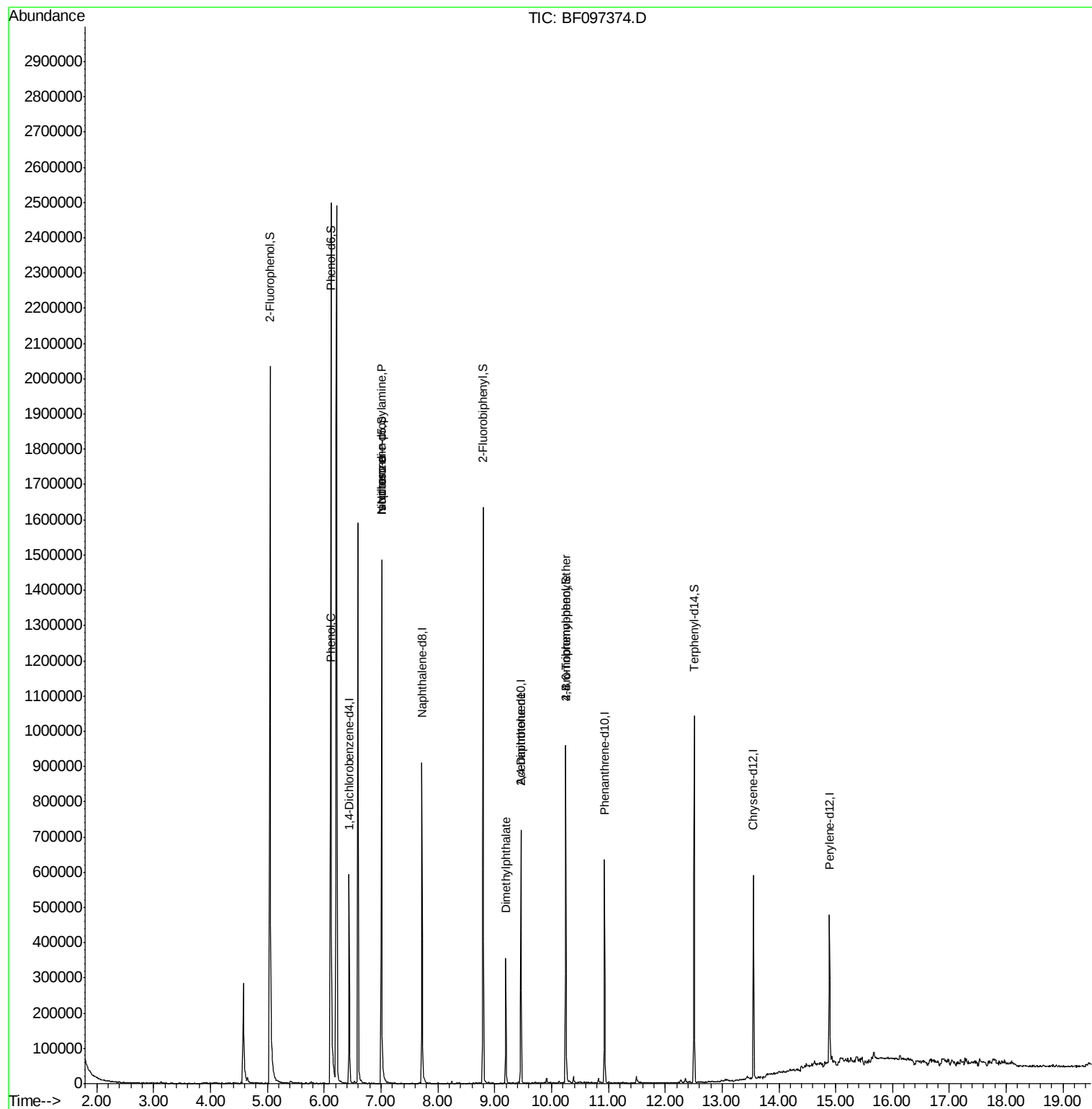
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.44  | 152  | 89996    | 20.00  | ng    | -0.06     |
| 21) Naphthalene-d8             | 7.72  | 136  | 412780   | 20.00  | ng    | -0.06     |
| 38) Acenaphthene-d10           | 9.46  | 164  | 147262   | 20.00  | ng    | -0.07     |
| 63) Phenanthrene-d10           | 10.93 | 188  | 216335   | 20.00  | ng    | -0.07     |
| 75) Chrysene-d12               | 13.55 | 240  | 195215   | 20.00  | ng    | -0.08     |
| 86) Perylene-d12               | 14.89 | 264  | 165631   | 20.00  | ng    | -0.08     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.05  | 112  | 691548   | 115.84 | ng    | -0.05     |
| 7) Phenol-d6                   | 6.12  | 99   | 861881   | 126.46 | ng    | -0.05     |
| 23) Nitrobenzene-d5            | 7.01  | 82   | 444817   | 63.22  | ng    | -0.06     |
| 41) 2,4,6-Tribromophenol       | 10.25 | 330  | 107521   | 92.41  | ng    | -0.07     |
| 44) 2-Fluorobiphenyl           | 8.80  | 172  | 530503   | 61.14  | ng    | -0.07     |
| 78) Terphenyl-d14              | 12.51 | 244  | 296038   | 30.92  | ng    | -0.08     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.13  | 94   | 45342    | 5.61   | ng    | Qvalue 98 |
| 19) n-Nitroso-di-n-propylamine | 7.01  | 70   | 58450    | 13.03  | ng    | # 83      |
| 25) Isophorone                 | 7.01  | 82   | 436185   | 31.65  | ng    | # 67      |
| 49) Dimethylphthalate          | 9.20  | 163  | 149081   | 13.33  | ng    | 98        |
| 56) 2,4-Dinitrotoluene         | 9.46  | 165  | 18534    | 6.80   | ng    | # 34      |
| 66) 4-Bromophenyl-phenylether  | 10.25 | 248  | 6738     | 3.12   | ng    | # 1       |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\  
Data File : BF097374.D  
Acq On : 4 Aug 2017 23:52  
Operator : SJ/JU  
Sample : I4591-01  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-2-COMP

Quant Time: Aug 05 01:29:28 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 04 01:17:22 2017  
Response via : Initial Calibration



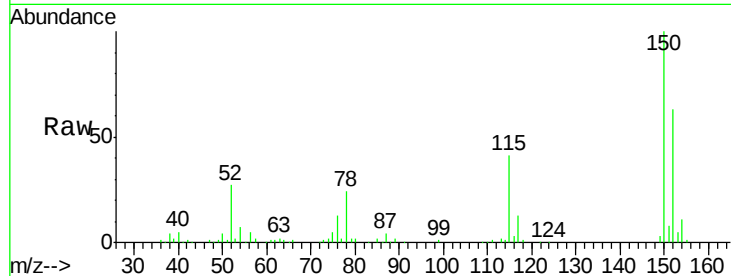


#1

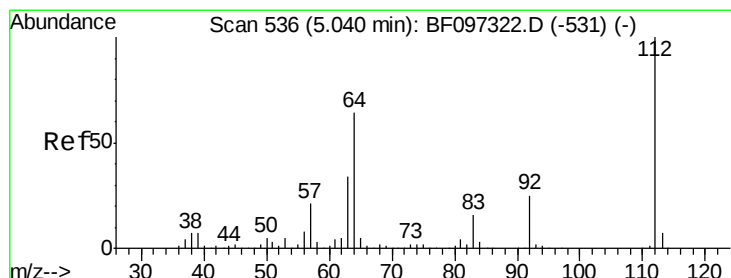
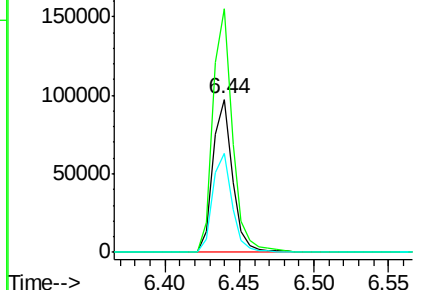
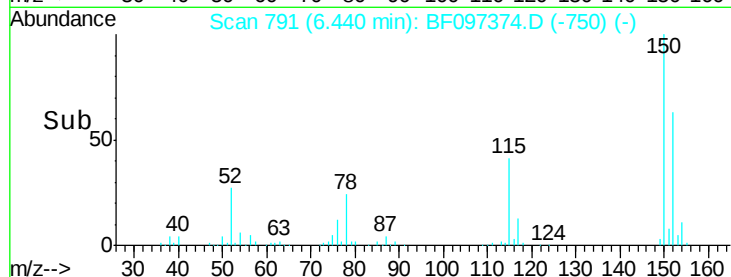
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.44 min Scan# 791  
 Delta R.T. -0.06 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-2-COMP

Tot Ion:152 Resp: 89996  
 Ion Ratio Lower Upper  
 152 100  
 150 159.1 126.2 189.2  
 115 64.8 52.2 78.2



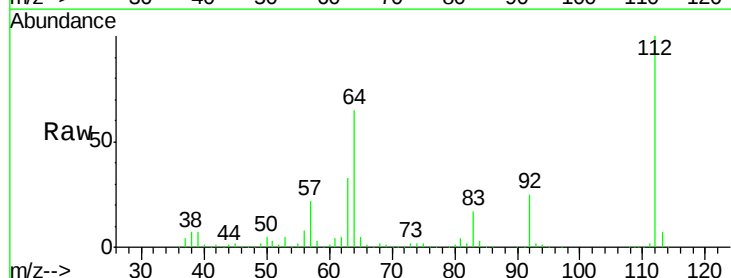
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



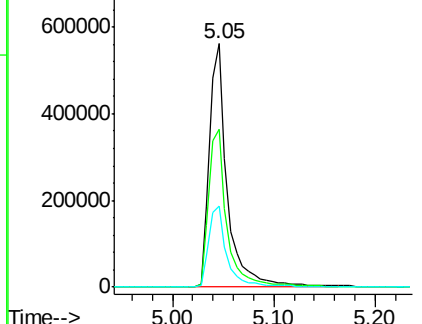
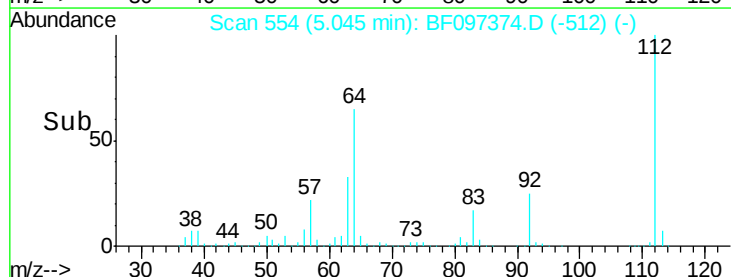
#5

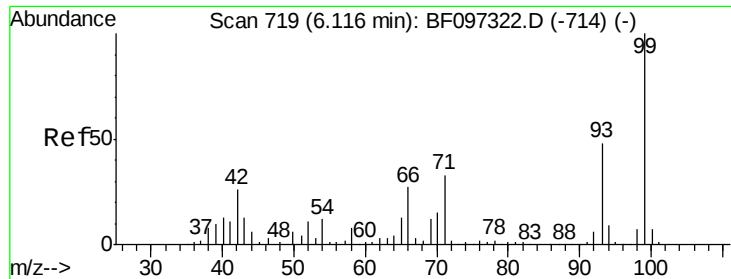
2-Fluorophenol  
 Concen: 115.84 ng  
 RT: 5.05 min Scan# 554  
 Delta R.T. -0.05 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

Tgt Ion:112 Resp: 691548  
 Ion Ratio Lower Upper  
 112 100  
 64 65.0 46.0 69.0  
 63 33.1 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: 126.46 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097374.D

Acq: 4 Aug 2017 23:52

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-2-COMP

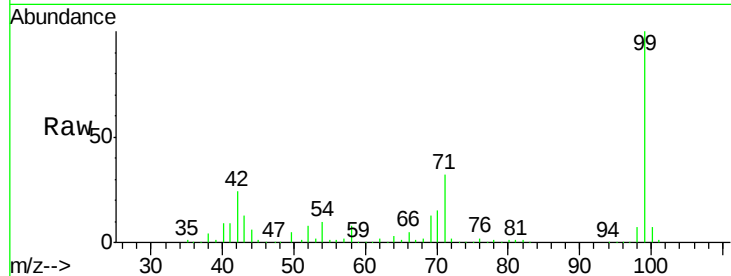
Tot Ion: 99 Resp: 861881

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

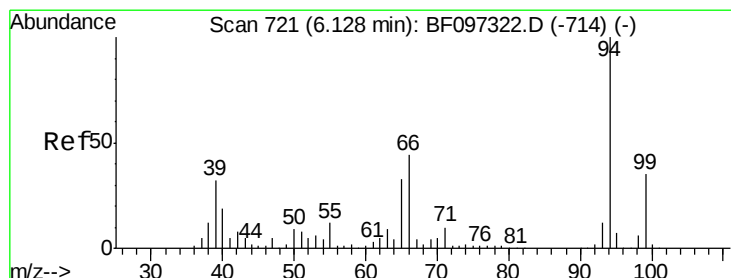
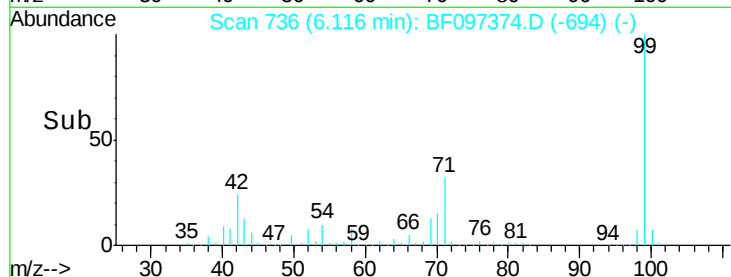
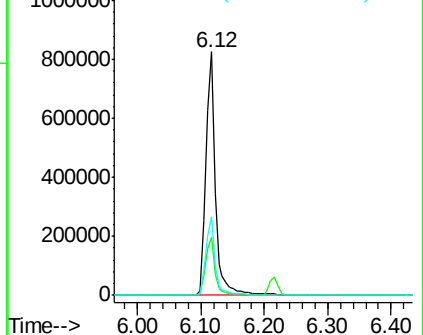
71 32.4 24.5 36.7



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



#10

Phenol

Concen: 5.61 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097374.D

Acq: 4 Aug 2017 23:52

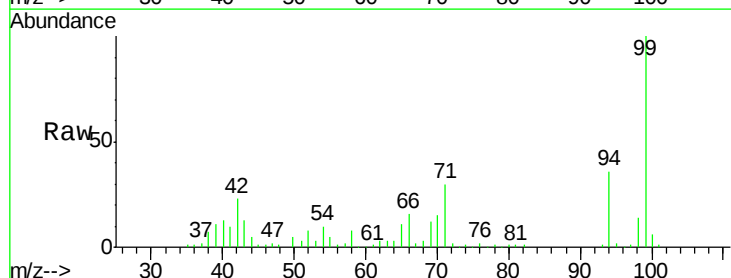
Tgt Ion: 94 Resp: 45342

Ion Ratio Lower Upper

94 100

65 31.1 9.9 49.9

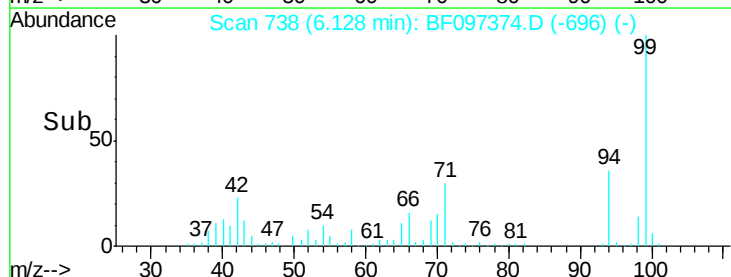
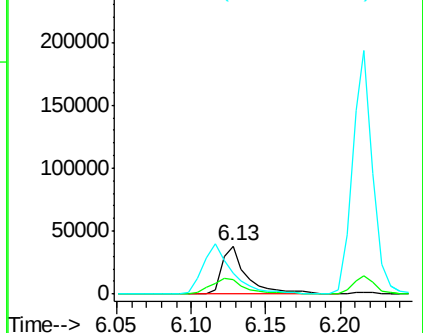
66 44.3 23.1 63.1

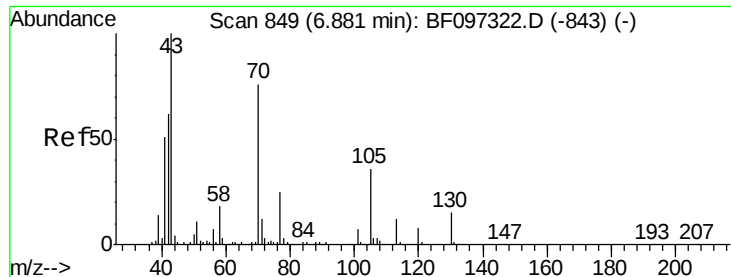


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

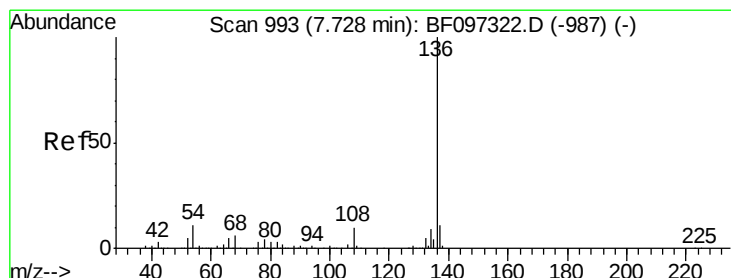
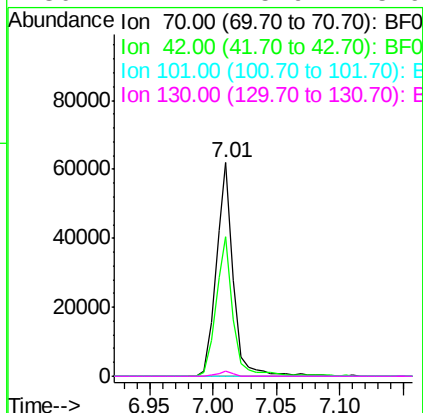
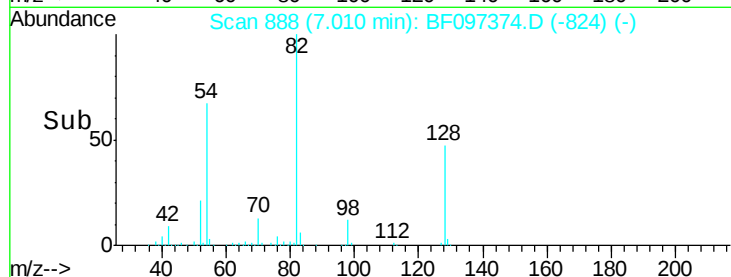
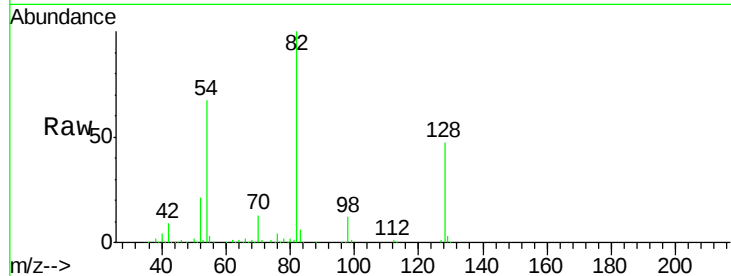




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.03 ng  
RT: 7.01 min Scan# 888  
Delta R.T. 0.08 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

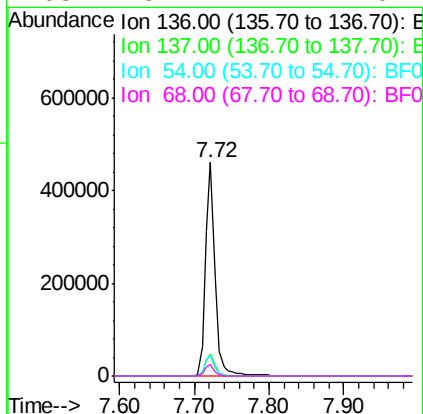
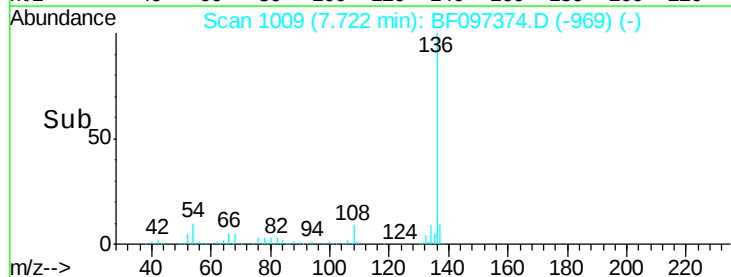
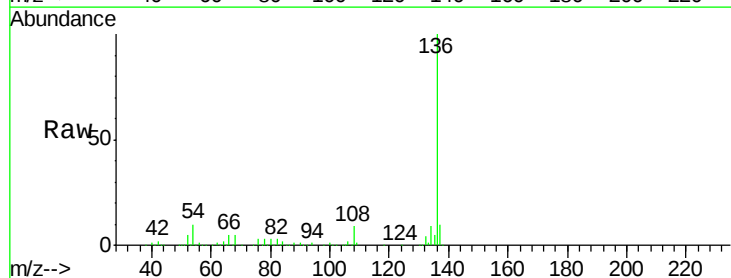
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-2-COMP

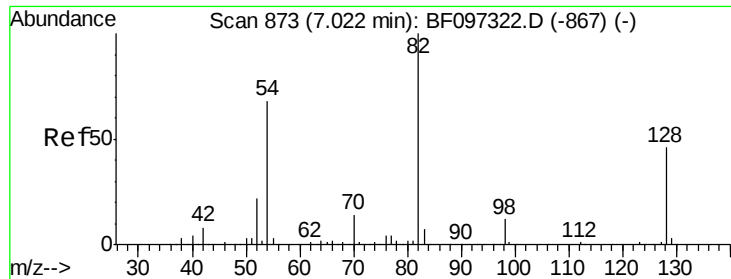
Tot Ion: 70 Resp: 58450  
Ion Ratio Lower Upper  
70 100  
42 65.5 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.2 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.72 min Scan# 1009  
Delta R.T. -0.06 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

Tgt Ion: 136 Resp: 412780  
Ion Ratio Lower Upper  
136 100  
137 10.2 8.5 12.7  
54 9.9 4.9 7.3#  
68 5.4 4.1 6.1

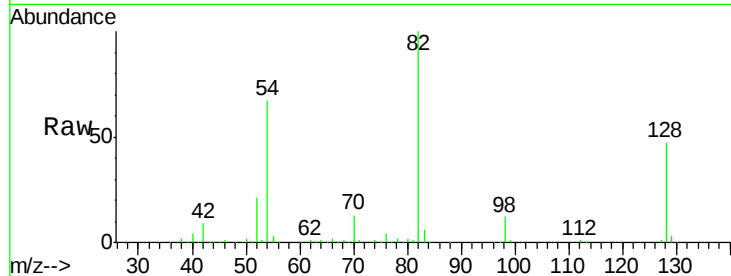




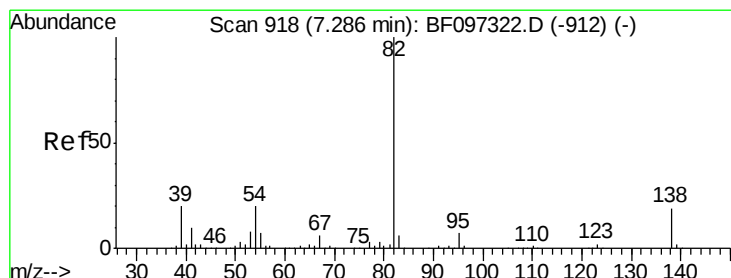
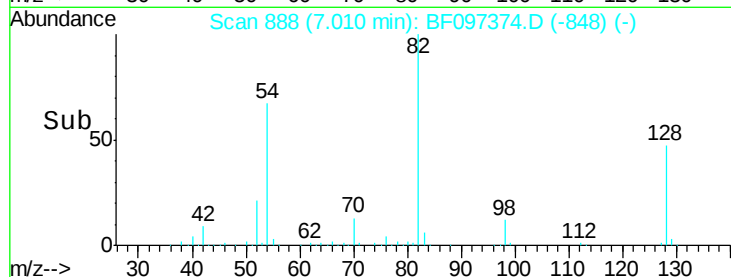
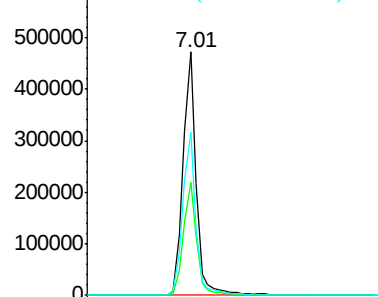
#23  
Nitrobenzene-d5  
Concen: 63.22 ng  
RT: 7.01 min Scan# 888  
Delta R.T. -0.06 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-2-COMP

Tot Ion: 82 Resp: 444817  
Ion Ratio Lower Upper  
82 100  
128 46.7 34.0 51.0  
54 67.1 42.2 63.2#

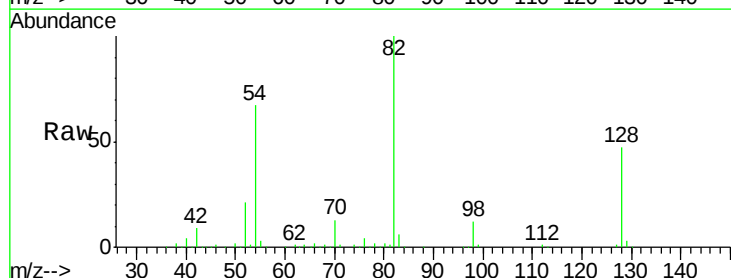


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

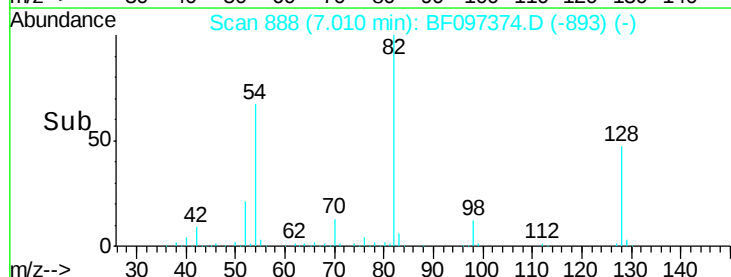
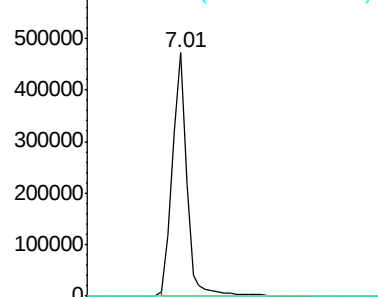


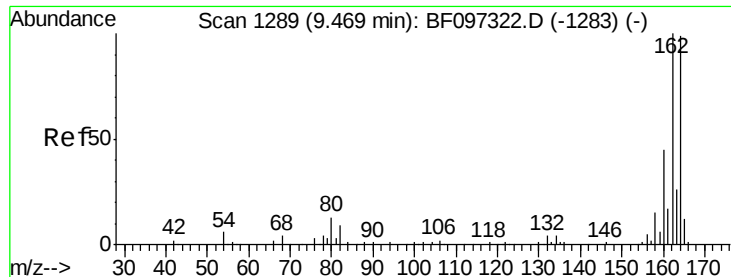
#25  
Isophorone  
Concen: 31.65 ng  
RT: 7.01 min Scan# 888  
Delta R.T. -0.33 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

Tgt Ion: 82 Resp: 436185  
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: 20.00 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097374.D

Acq: 4 Aug 2017 23:52

Instrument :

BNA\_F

ClientSampleId :

DRUM-1-2-COMP

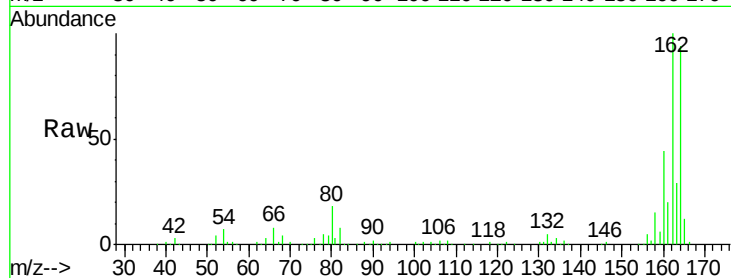
Tot Ion:164 Resp: 147262

Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

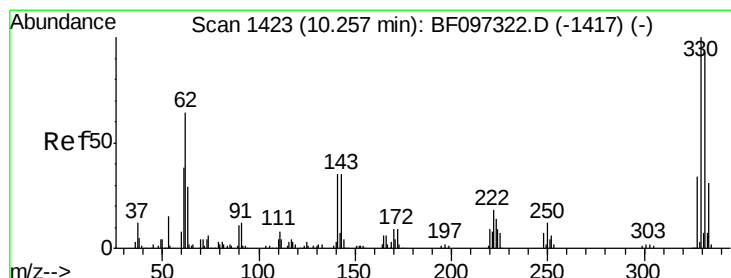
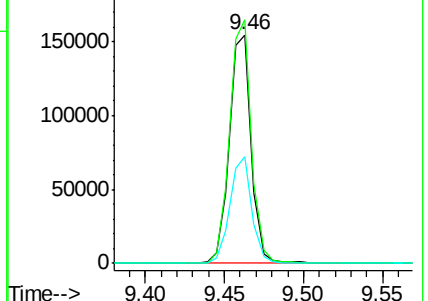
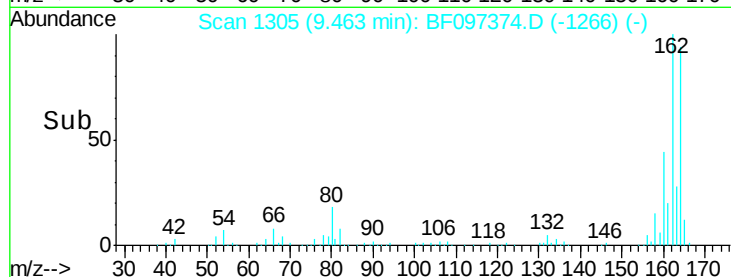
160 46.9 36.2 54.2



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: 92.41 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097374.D

Acq: 4 Aug 2017 23:52

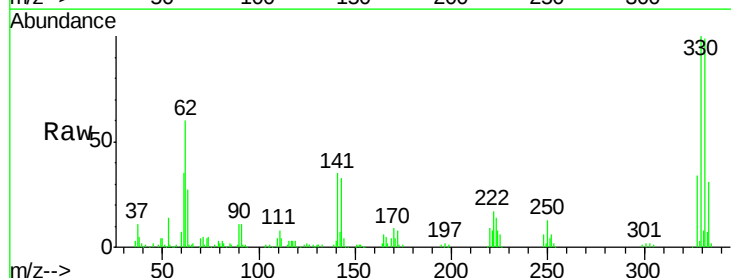
Tgt Ion:330 Resp: 107521

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

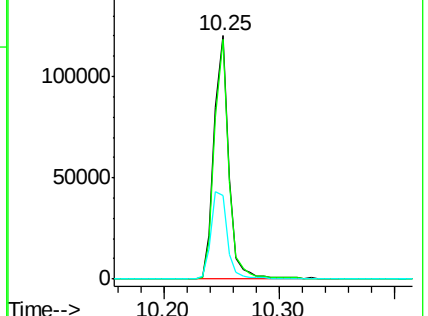
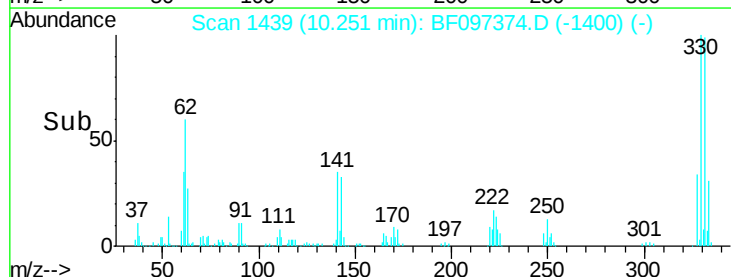
141 39.6 31.4 47.2

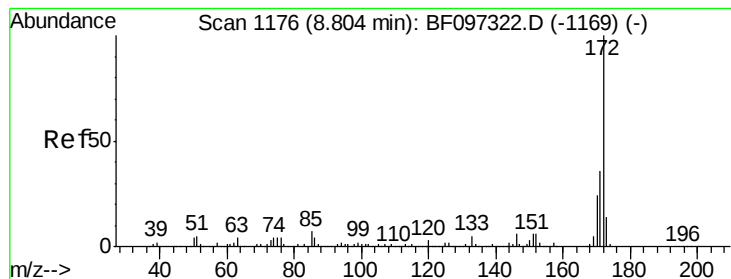


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

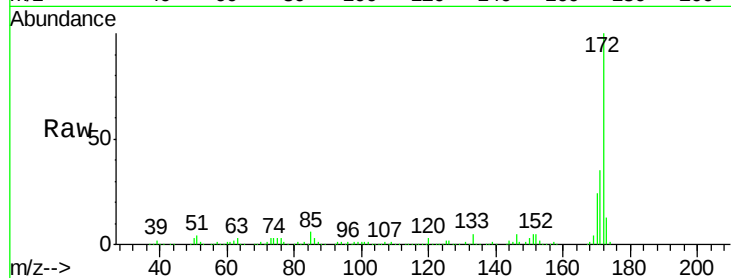




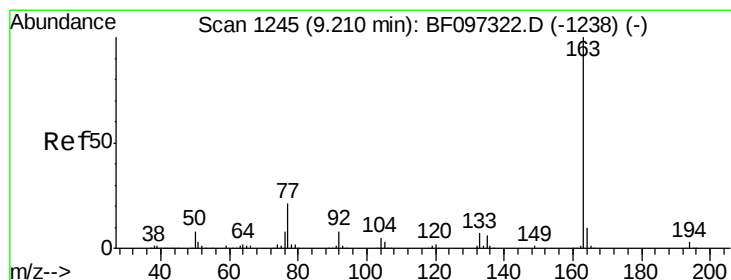
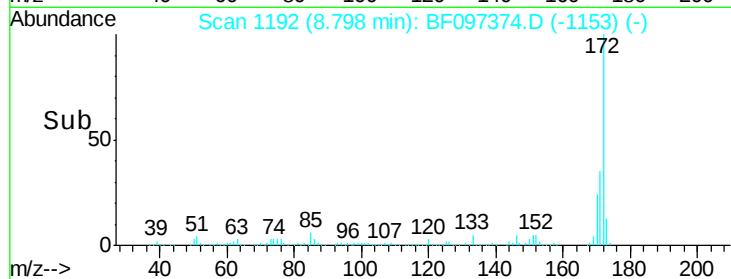
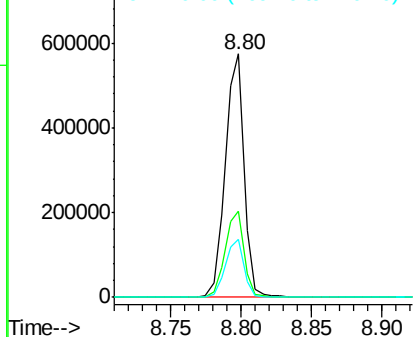
#44  
2-Fluorobiphenyl  
Concen: 61.14 ng  
RT: 8.80 min Scan# 1192  
Delta R.T. -0.07 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-1-2-COMP

Tot Ion:172 Resp: 530503  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.6 44.4  
170 23.7 19.8 29.8

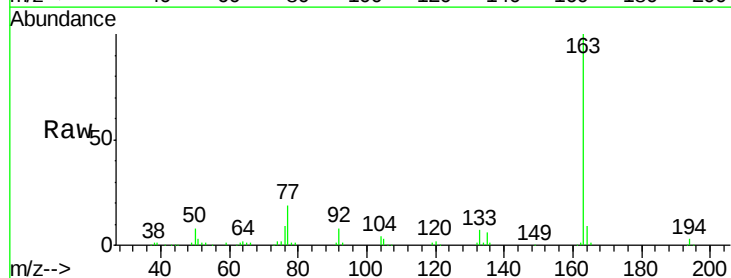


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

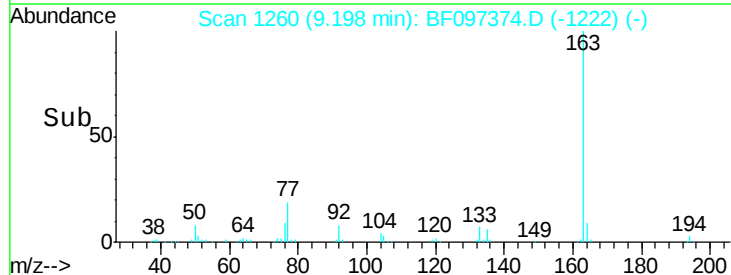
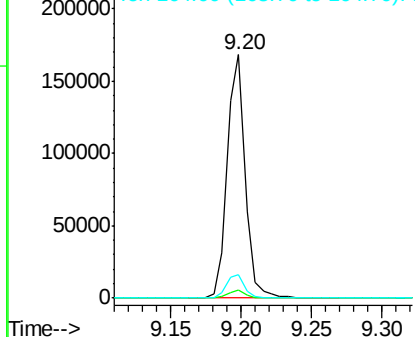


#49  
Dimethylphthalate  
Concen: 13.33 ng  
RT: 9.20 min Scan# 1260  
Delta R.T. -0.08 min  
Lab File: BF097374.D  
Acq: 4 Aug 2017 23:52

Tgt Ion:163 Resp: 149081  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 9.4 8.4 12.6



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

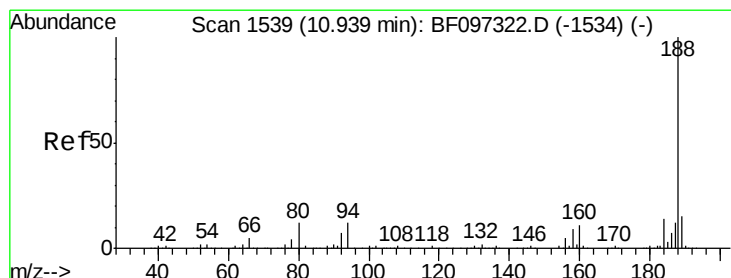
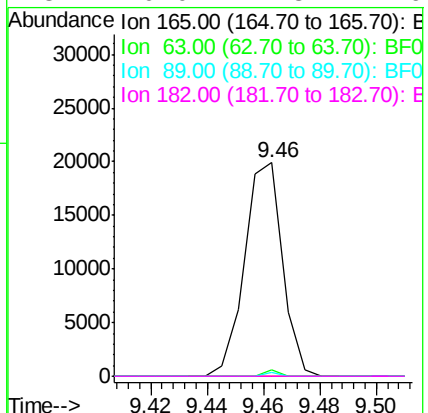
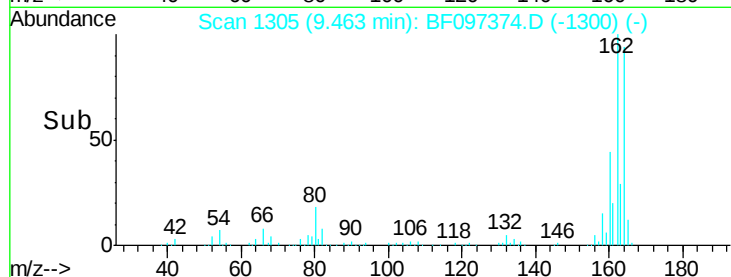
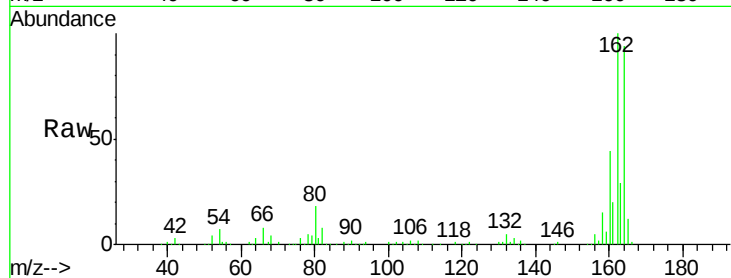




#56  
 2,4-Dinitrotoluene  
 Concen: 6.80 ng  
 RT: 9.46 min Scan# 1305  
 Delta R.T. -0.27 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

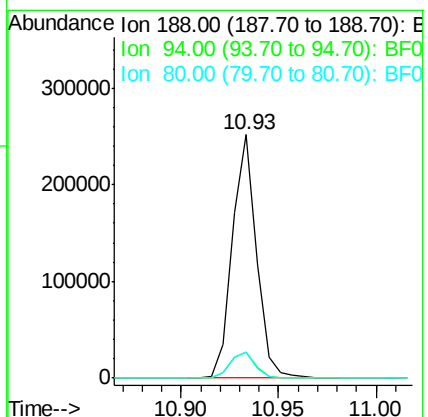
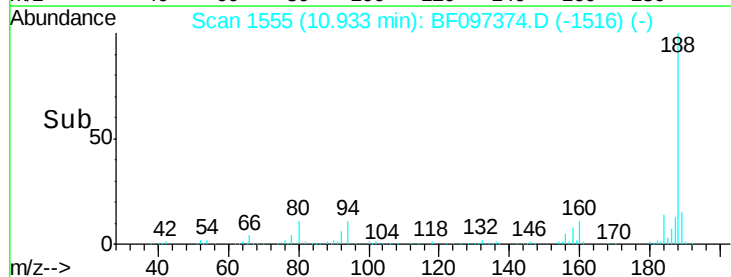
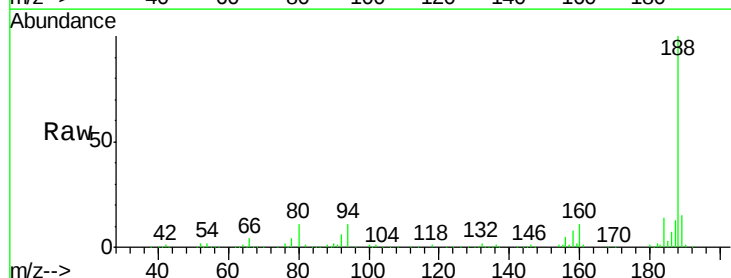
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-2-COMP

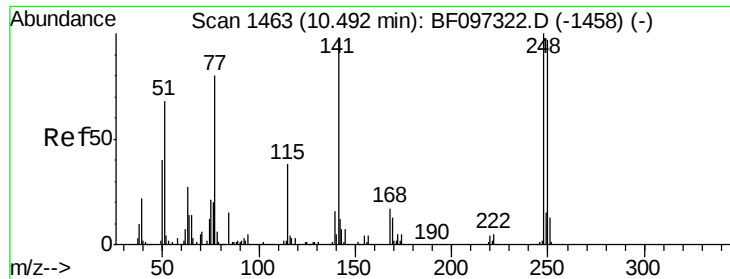
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 3.1   | 25.4  | 38.0# |
| 89      | 1.5   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.93 min Scan# 1555  
 Delta R.T. -0.07 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.9  | 9.4   | 14.2  |
| 80      | 10.7  | 10.2  | 15.2  |

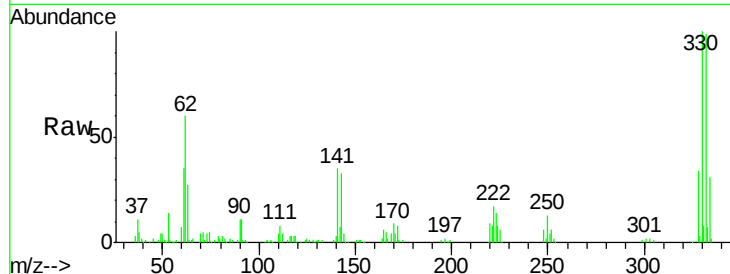




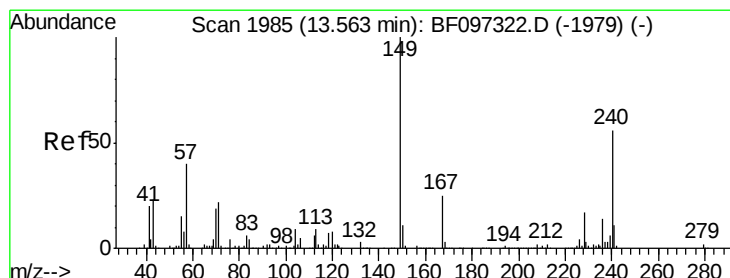
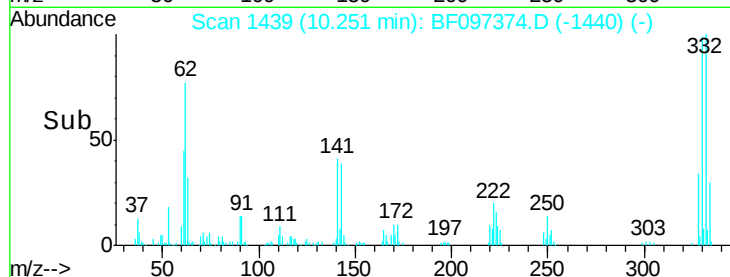
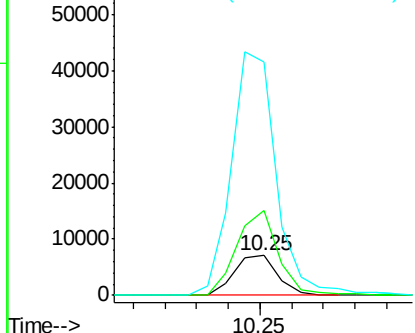
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.12 ng  
 RT: 10.25 min Scan# 1439  
 Delta R.T. -0.31 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-2-COMP

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 214.4 | 76.8  | 115.2# |
| 141     | 586.3 | 68.6  | 103.0# |

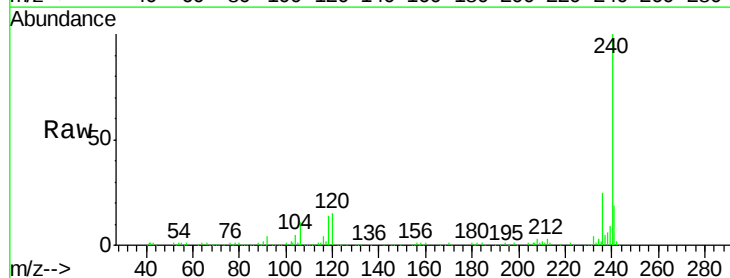


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

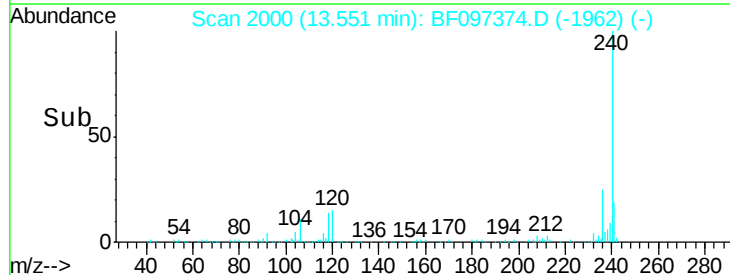
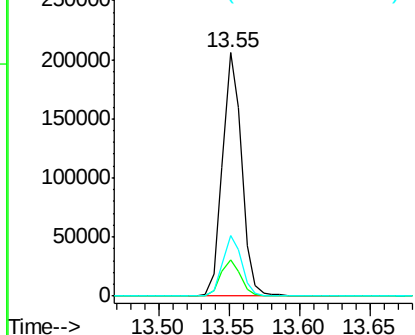


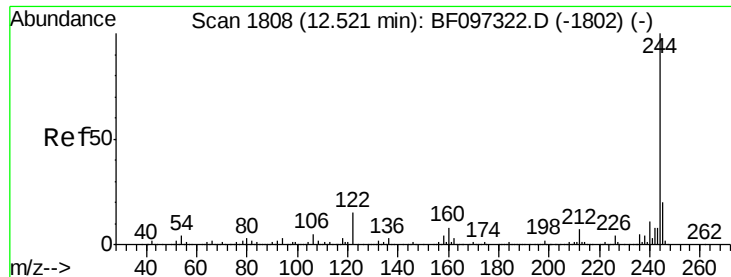
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.55 min Scan# 2000  
 Delta R.T. -0.08 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.0  | 5.8   | 8.8#  |
| 236     | 25.1  | 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

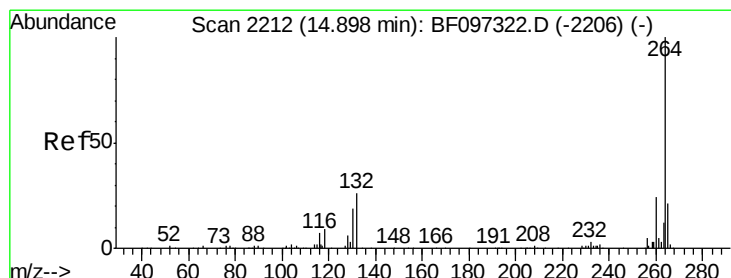
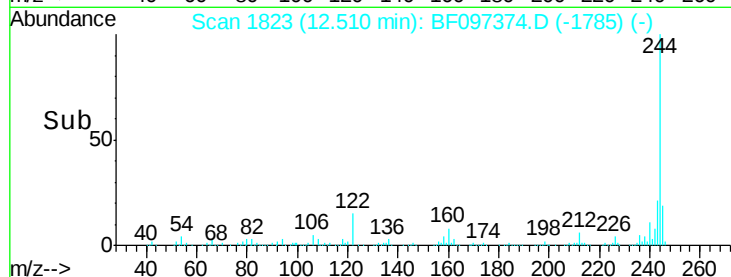
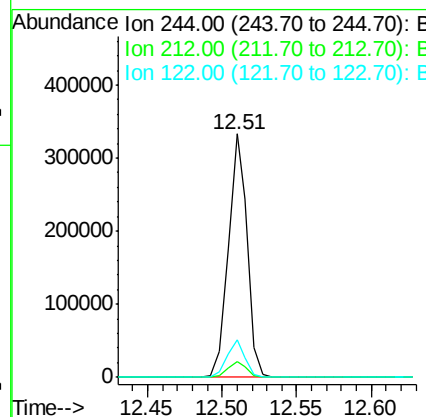
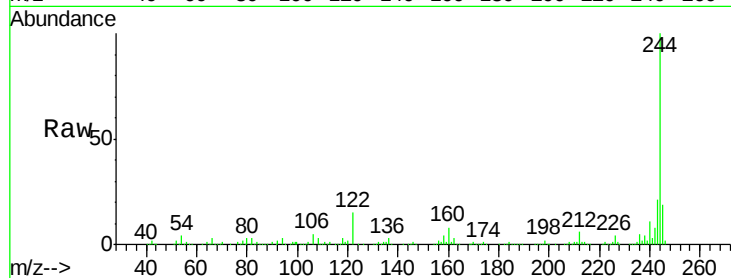




#78  
 Terphenyl-d14  
 Concen: 30.92 ng  
 RT: 12.51 min Scan# 1823  
 Delta R.T. -0.08 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-1-2-COMP

Tot Ion:244 Resp: 296038  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 6.0 9.0  
 122 15.2 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.89 min Scan# 2228  
 Delta R.T. -0.08 min  
 Lab File: BF097374.D  
 Acq: 4 Aug 2017 23:52

Tgt Ion:264 Resp: 165631  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.5 29.3  
 265 21.0 17.2 25.8

