

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060117\  
 Data File : BF095620.D  
 Acq On : 2 Jun 2017 6:01  
 Operator : SJ/MA  
 Sample : I3420-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 02 08:06:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 18:51:16 2017  
 Response via : Initial Calibration

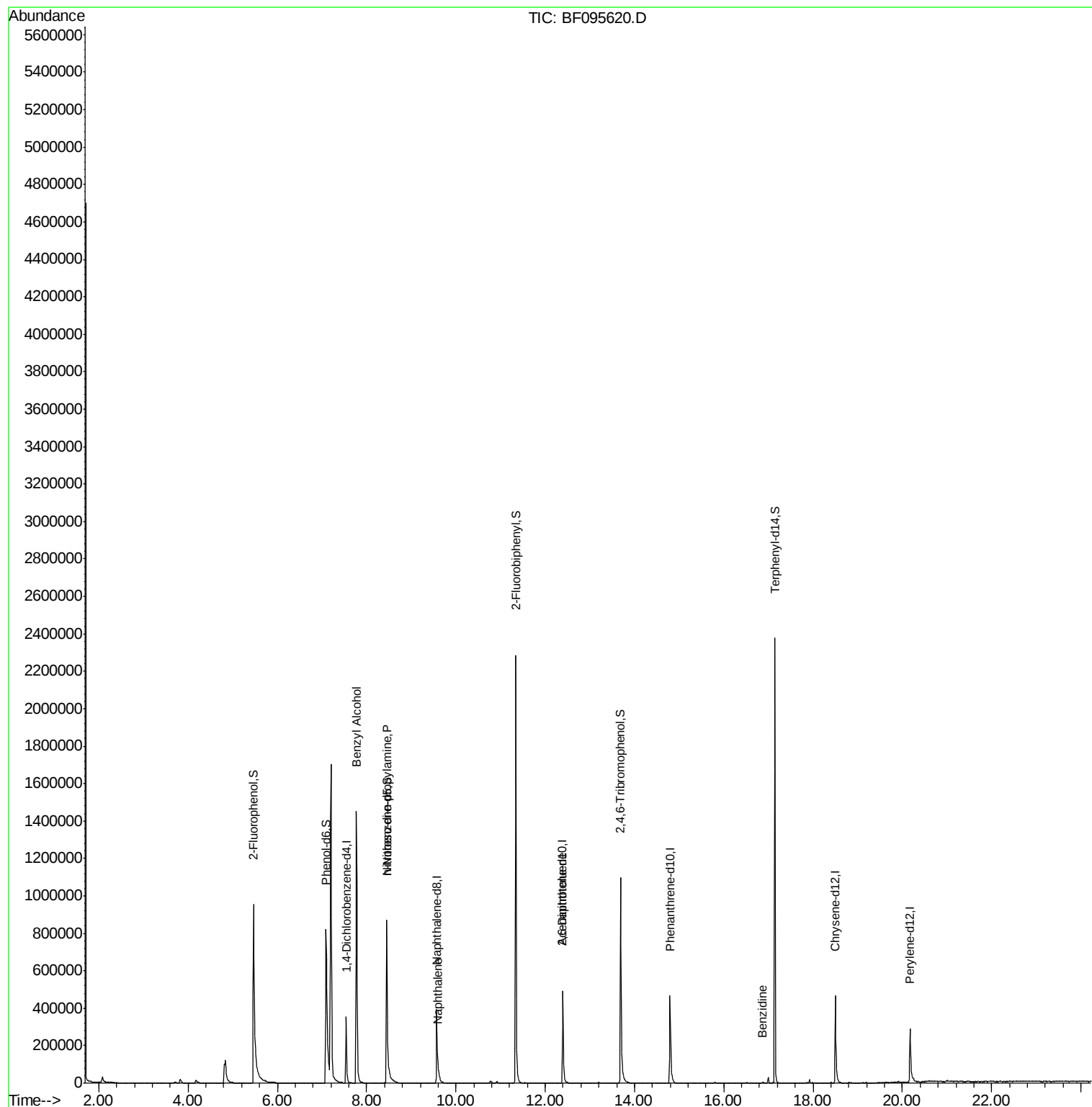
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.54  | 152  | 89168    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.57  | 136  | 367618   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.39 | 164  | 169658   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 14.80 | 188  | 334894   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.50 | 240  | 291387   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.17 | 264  | 201195   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 720277   | 134.67 | ng    | 0.02     |
| 7) Phenol-d6                   | 7.09  | 99   | 812592   | 126.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.45  | 82   | 560726   | 96.18  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.69 | 330  | 222301   | 159.99 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.34 | 172  | 1135328  | 96.32  | ng    | 0.00     |
| 78) Terphenyl-d14              | 17.15 | 244  | 1024246  | 77.42  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.77  | 79   | 8473     | 2.05   | ng    | # 36     |
| 19) n-Nitroso-di-n-propylamine | 8.45  | 70   | 67368    | 15.52  | ng    | # 75     |
| 31) Naphthalene                | 9.61  | 128  | 40263    | 2.18   | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 12.39 | 165  | 19961    | 7.02   | ng    | # 33     |
| 76) Benizidine                 | 16.86 | 184  | 4279     | 7.06   | ng    | 98       |

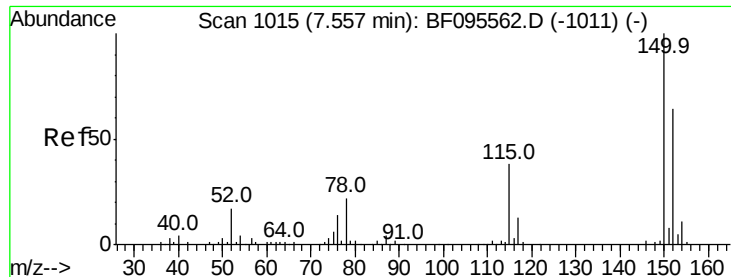
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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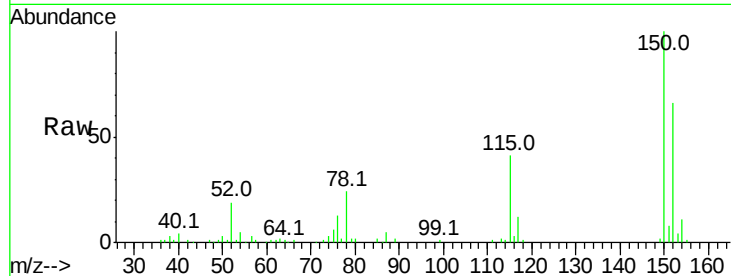


#1

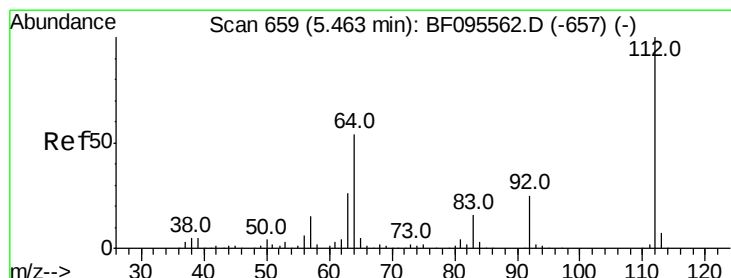
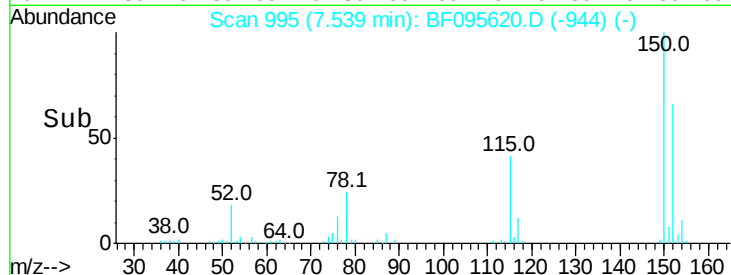
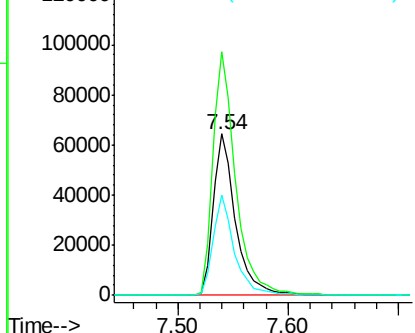
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.54 min Scan# 995  
Delta R.T. -0.00 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 89168  
Ion Ratio Lower Upper  
152 100  
150 150.9 126.2 189.2  
115 62.4 52.2 78.2



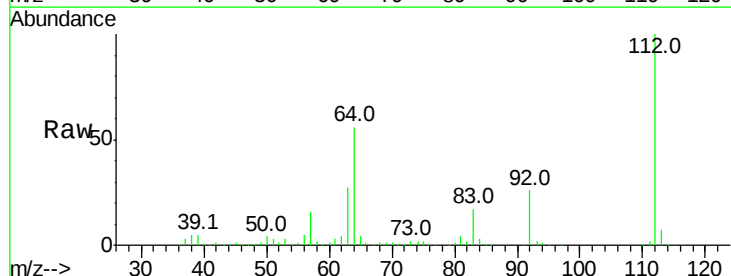
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



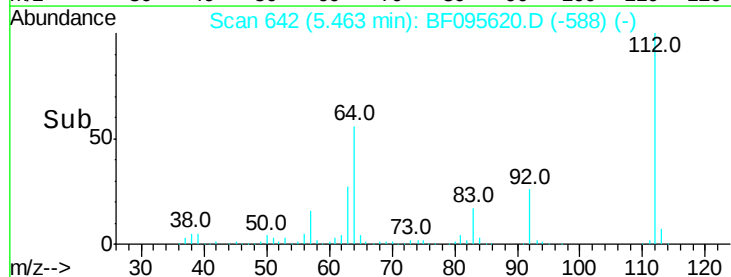
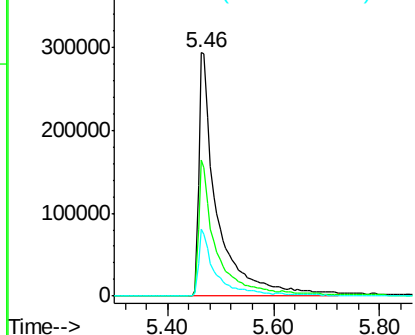
#5

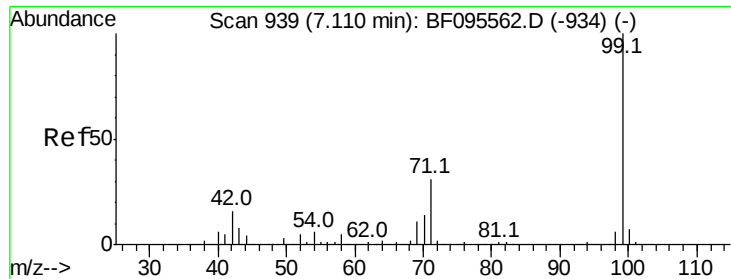
2-Fluorophenol  
Concen: 134.67 ng  
RT: 5.46 min Scan# 642  
Delta R.T. 0.02 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Tgt Ion:112 Resp: 720277  
Ion Ratio Lower Upper  
112 100  
64 55.8 46.0 69.0  
63 27.4 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: 126.63 ng

RT: 7.09 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampleId :

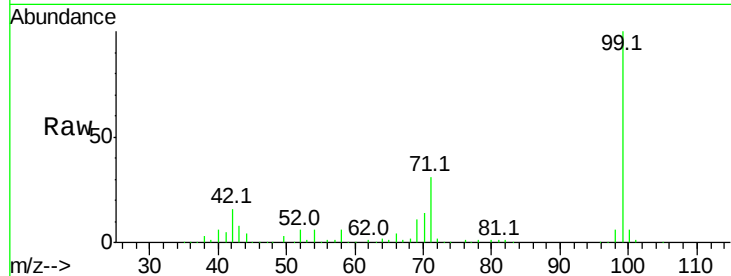
Tot Ion: 99 Resp: 812592

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

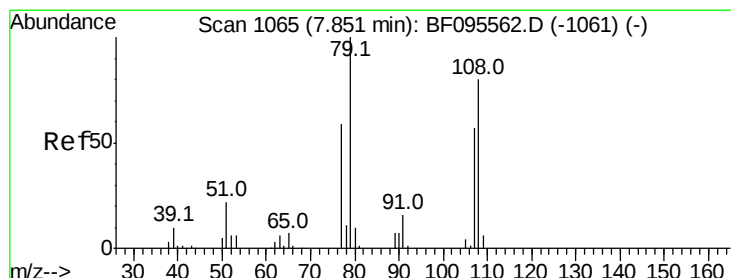
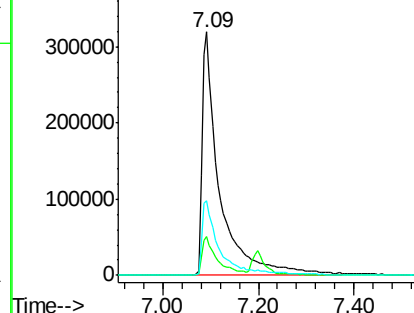
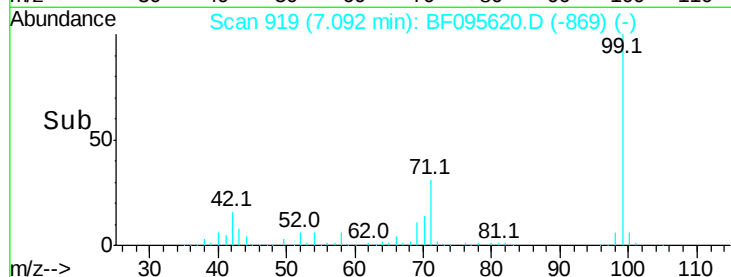
71 30.7 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.77 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

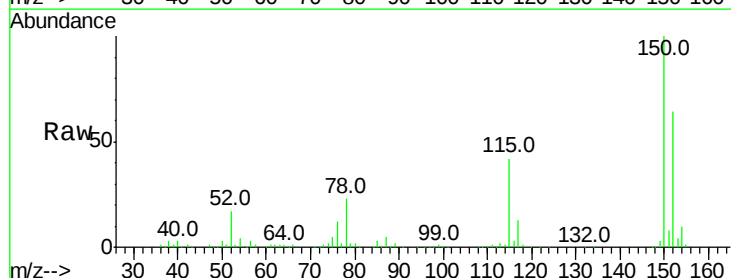
Tgt Ion: 79 Resp: 8473

Ion Ratio Lower Upper

79 100

108 30.7 63.4 95.0#

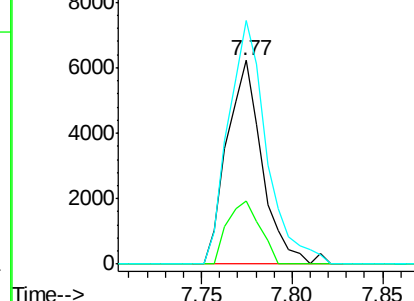
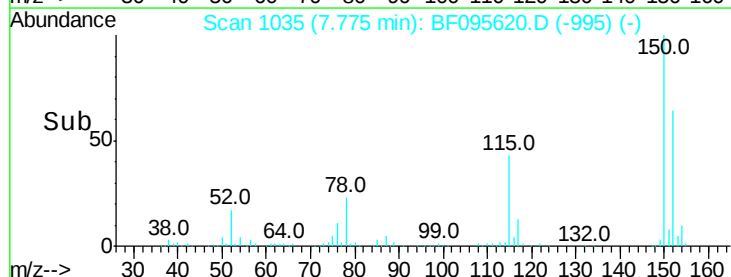
77 119.6 49.2 73.8#

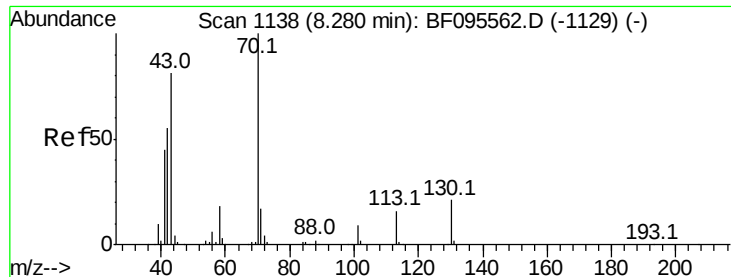


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

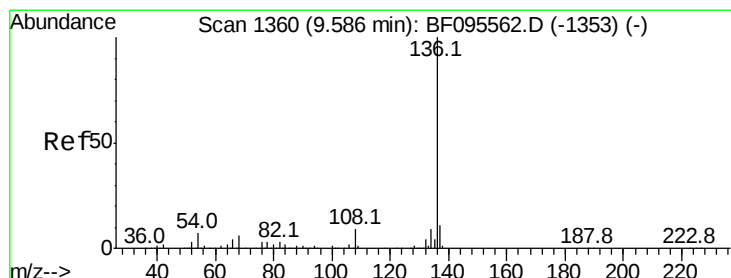
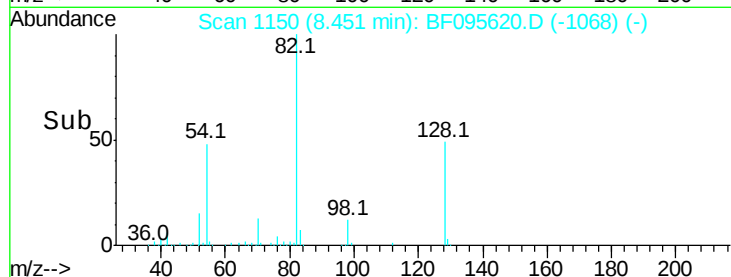
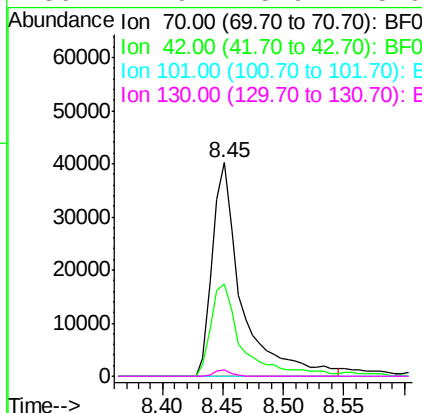
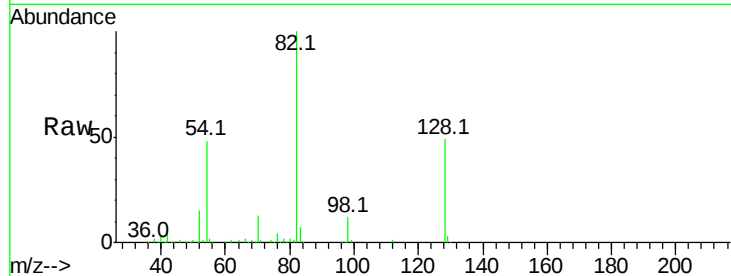




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.52 ng  
RT: 8.45 min Scan# 1150  
Delta R.T. 0.18 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

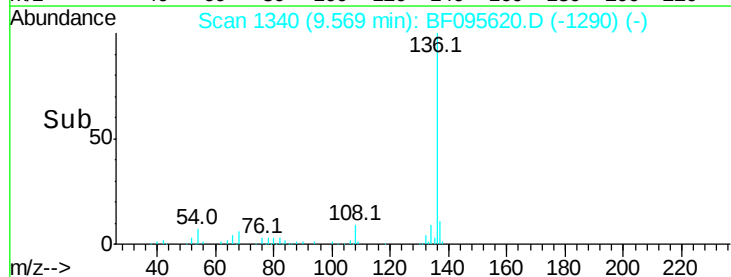
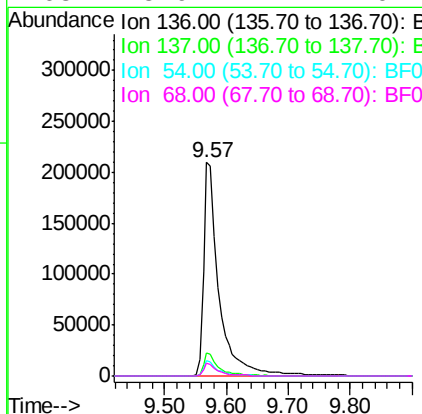
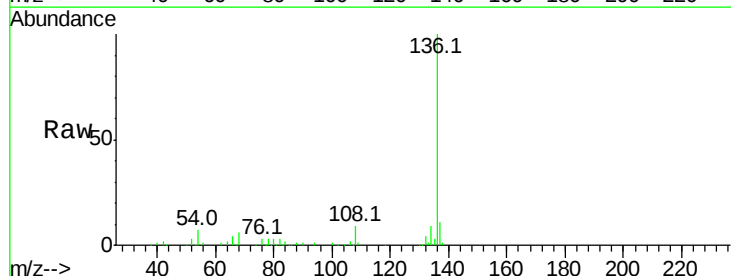
Instrument :  
BNA\_F  
ClientSampleId :

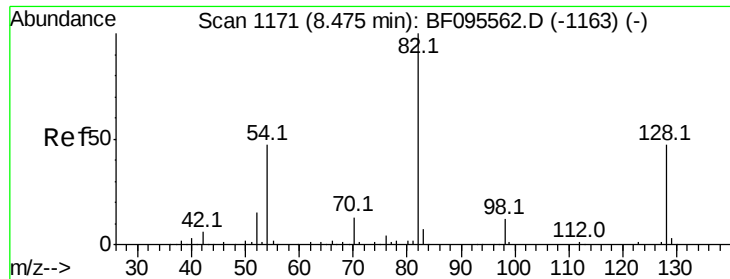
Tot Ion: 70 Resp: 67368  
Ion Ratio Lower Upper  
70 100  
42 43.2 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.9 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.57 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Tgt Ion:136 Resp: 367618  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.5 12.7  
54 7.2 4.9 7.3  
68 5.9 4.1 6.1

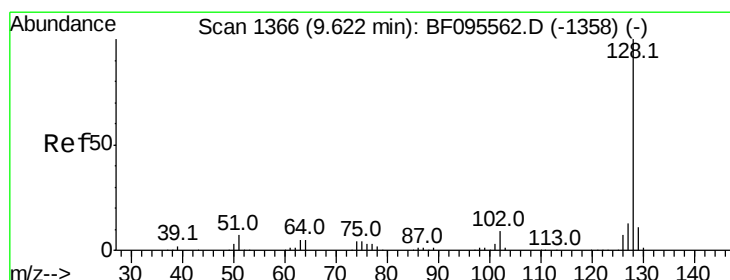
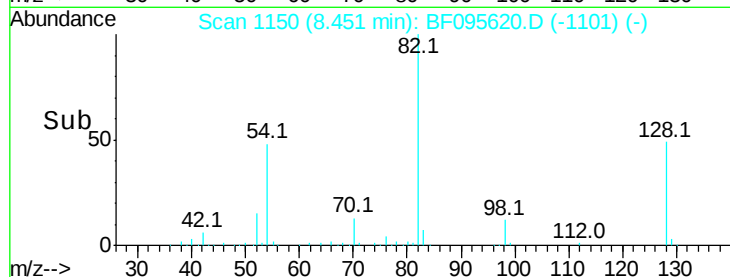
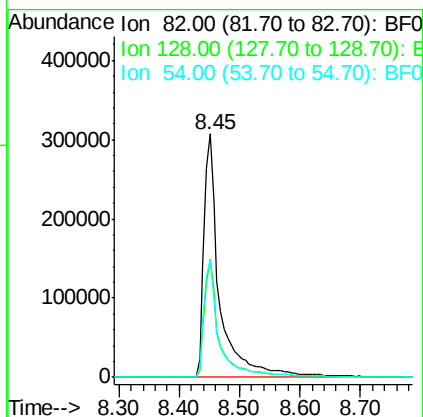
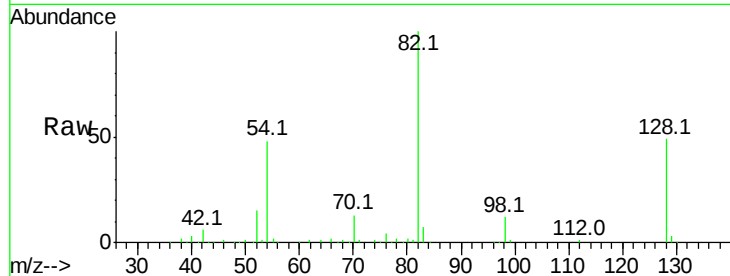




#23  
Nitrobenzene-d5  
Concen: 96.18 ng  
RT: 8.45 min Scan# 1150  
Delta R.T. -0.01 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

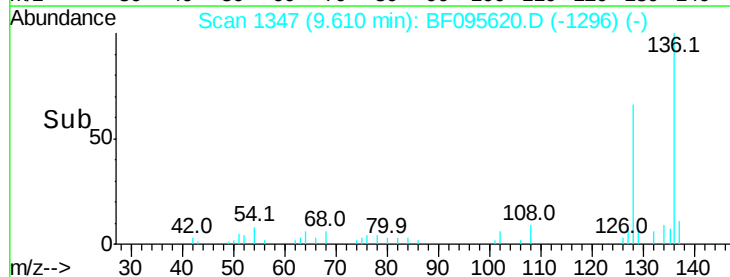
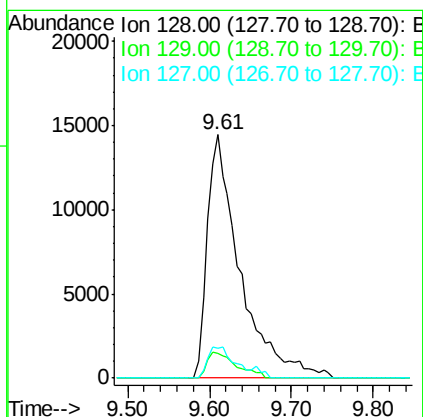
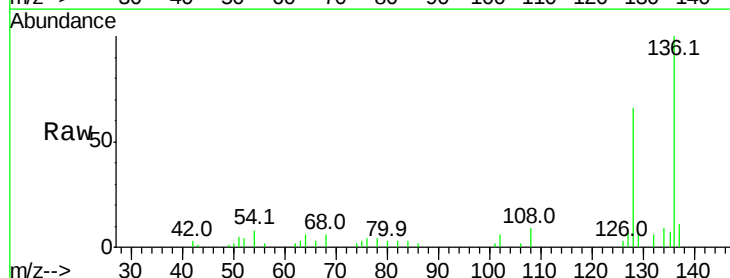
Instrument :  
BNA\_F  
ClientSampleId :

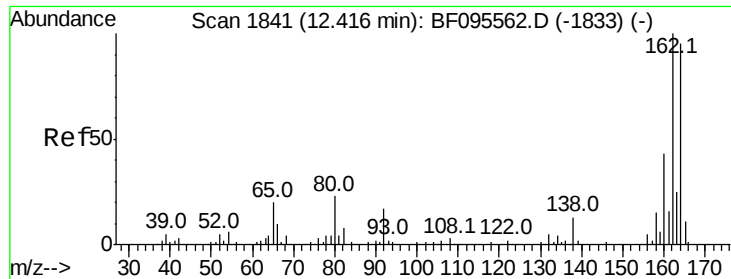
Tot Ion: 82 Resp: 560726  
Ion Ratio Lower Upper  
82 100  
128 48.6 34.0 51.0  
54 47.8 42.2 63.2



#31  
Naphthalene  
Concen: 2.18 ng  
RT: 9.61 min Scan# 1347  
Delta R.T. -0.00 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Tgt Ion: 128 Resp: 40263  
Ion Ratio Lower Upper  
128 100  
129 10.3 9.0 13.6  
127 12.3 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampleId :

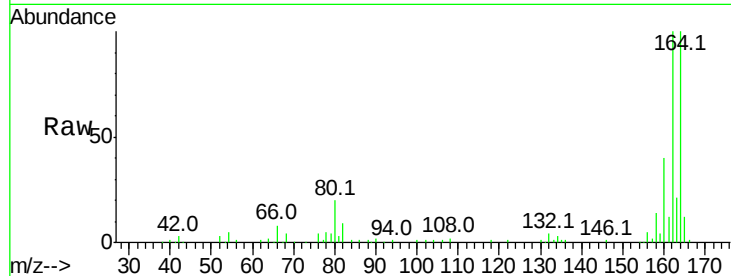
Tot Ion:164 Resp: 169658

Ion Ratio Lower Upper

164 100

162 99.6 82.6 123.8

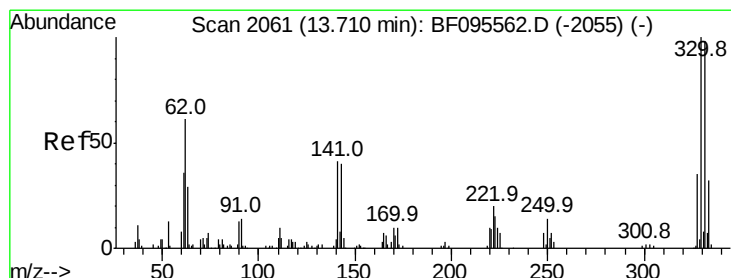
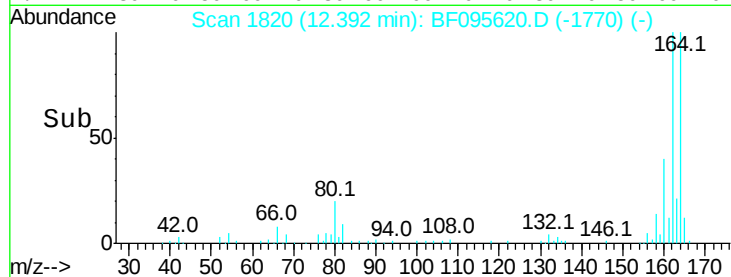
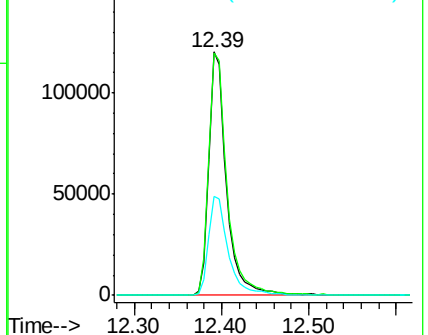
160 40.5 36.2 54.2



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: 159.99 ng

RT: 13.69 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

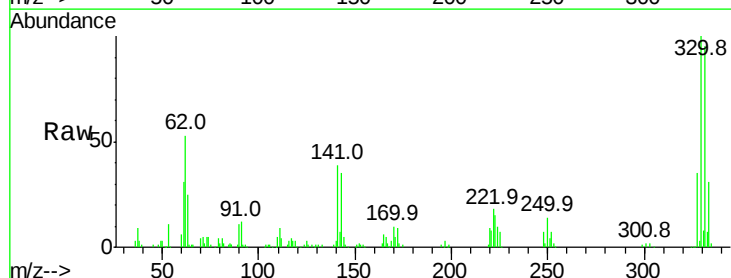
Tgt Ion:330 Resp: 222301

Ion Ratio Lower Upper

330 100

332 94.8 76.6 115.0

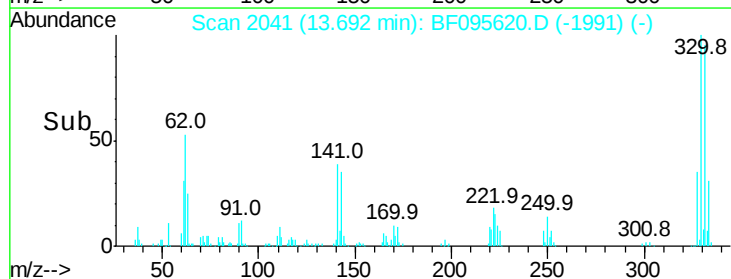
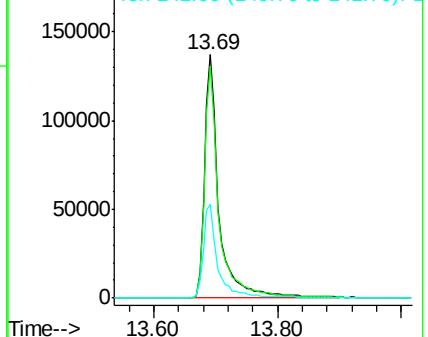
141 38.9 31.4 47.2

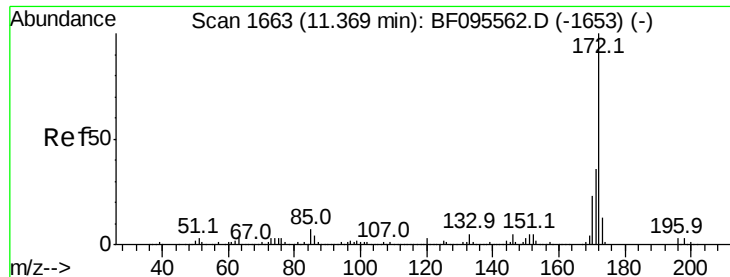


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

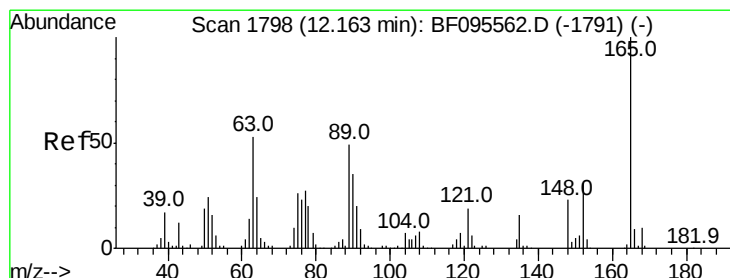
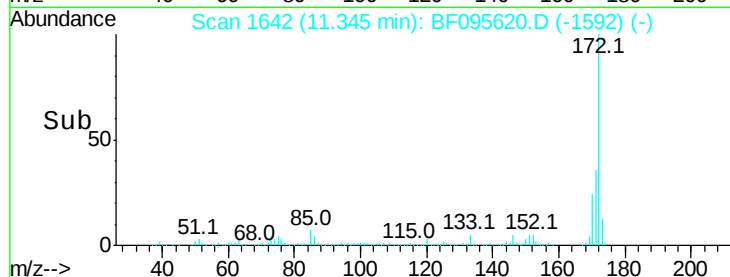
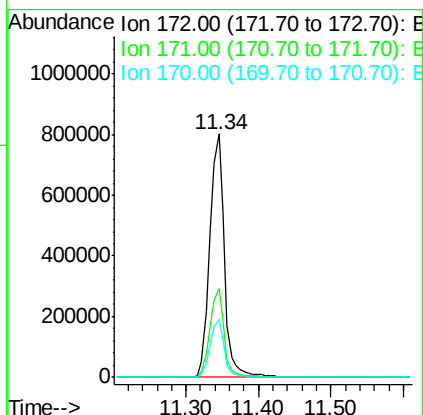
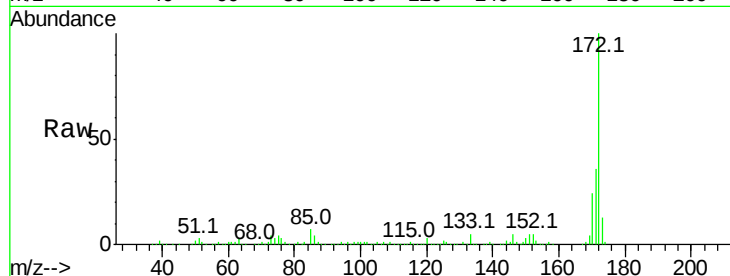




#44  
2-Fluorobiphenyl  
Concen: 96.32 ng  
RT: 11.34 min Scan# 1642  
Delta R.T. -0.01 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

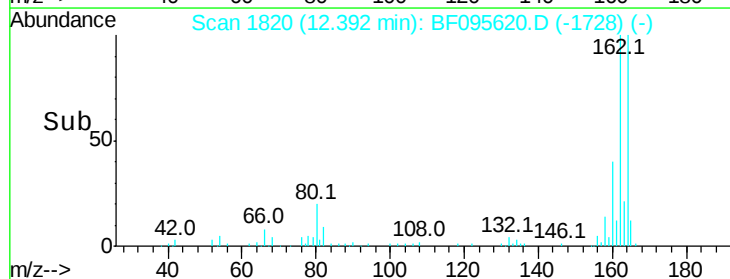
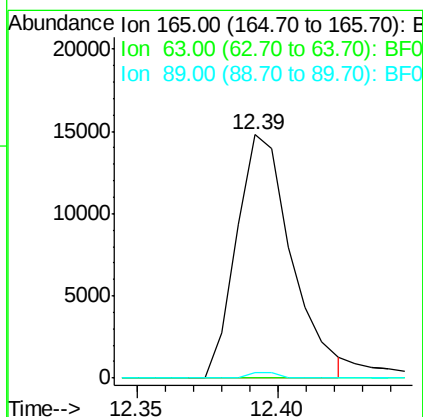
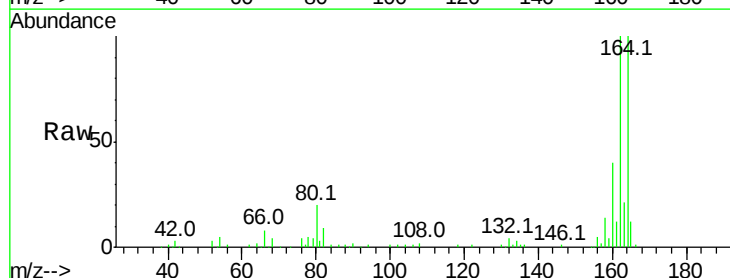
Instrument :  
BNA\_F  
ClientSampled :

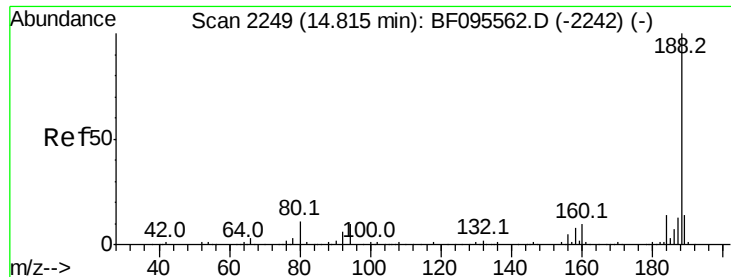
Tot Ion:172 Resp: 1135328  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.6 44.4  
170 23.8 19.8 29.8



#50  
2,6-Dinitrotoluene  
Concen: 7.02 ng  
RT: 12.39 min Scan# 1820  
Delta R.T. 0.24 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Tgt Ion:165 Resp: 19961  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.3 51.5#  
89 2.1 37.1 55.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampled :

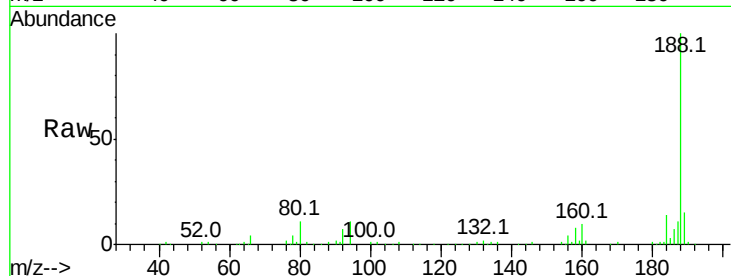
Tot Ion:188 Resp: 334894

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

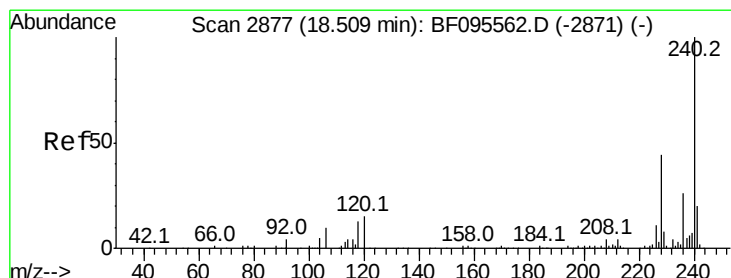
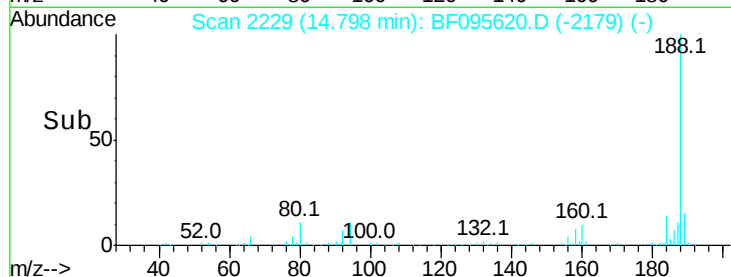
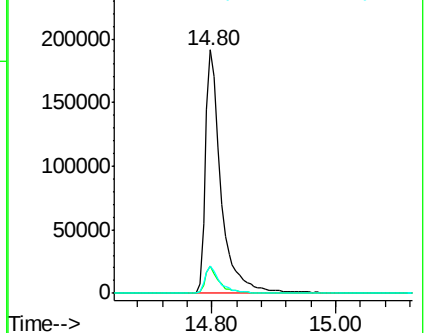
80 11.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.50 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

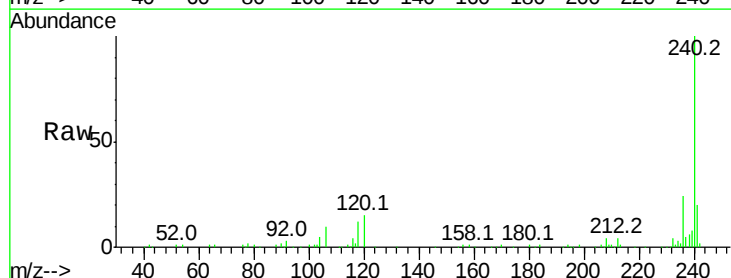
Tgt Ion:240 Resp: 291387

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

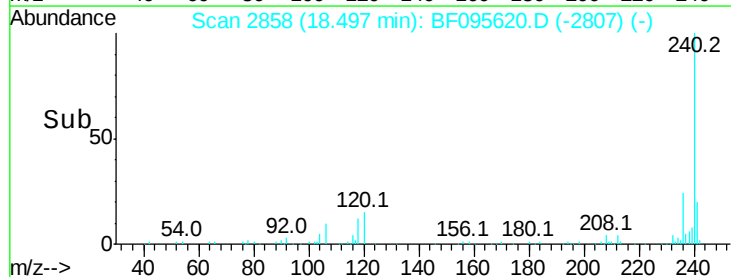
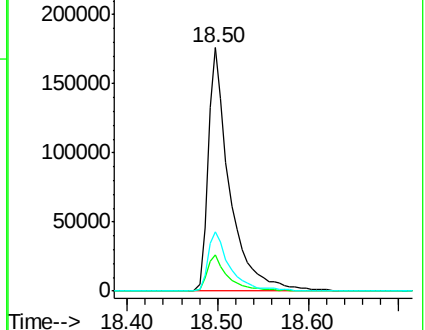
236 24.3 20.5 30.7

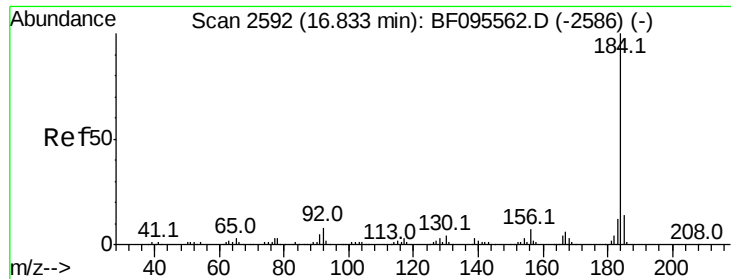


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.06 ng

RT: 16.86 min Scan# 2580

Delta R.T. 0.04 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

Instrument :

BNA\_F

ClientSampleId :

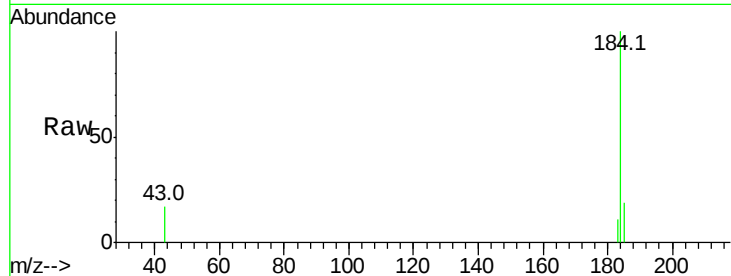
Tot Ion:184 Resp: 4279

Ion Ratio Lower Upper

184 100

185 19.2 15.5 23.3

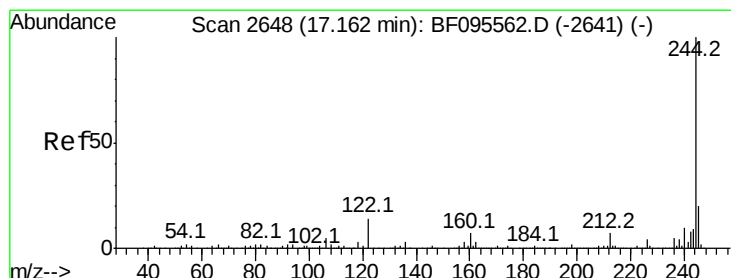
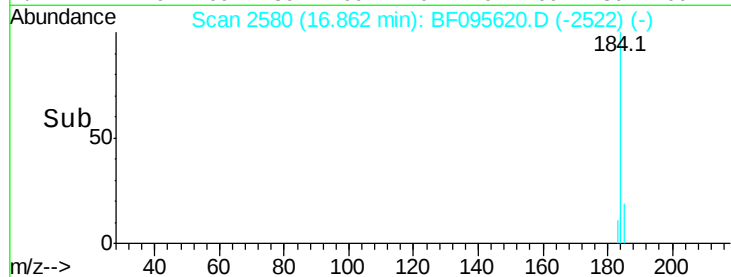
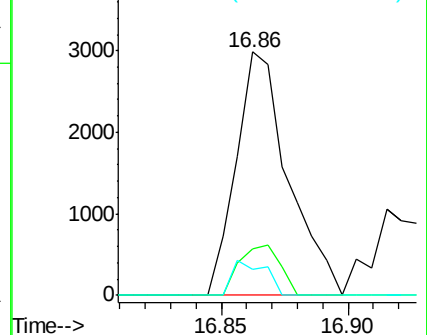
183 10.8 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 77.42 ng

RT: 17.15 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BF095620.D

Acq: 2 Jun 2017 6:01

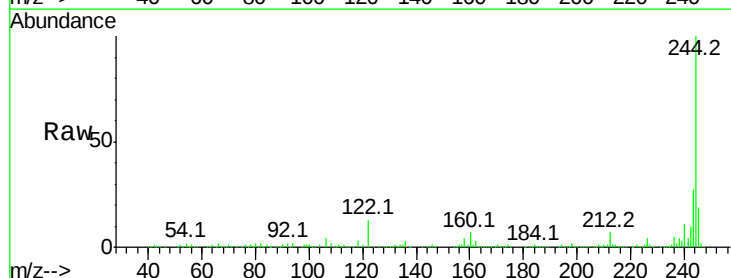
Tgt Ion:244 Resp: 1024246

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

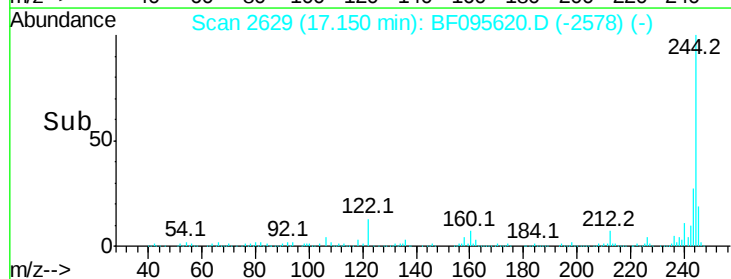
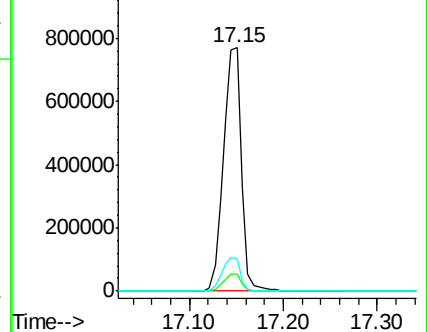
122 13.1 10.3 15.5

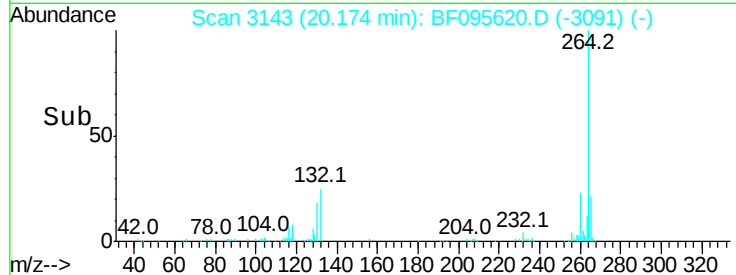
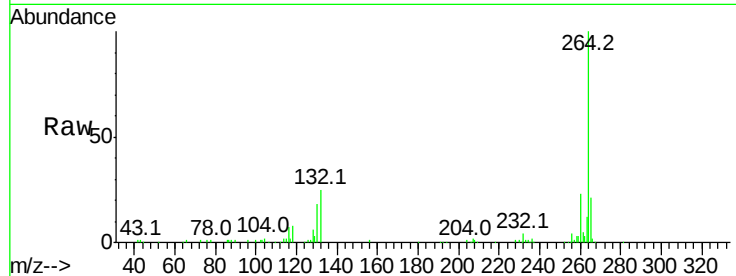
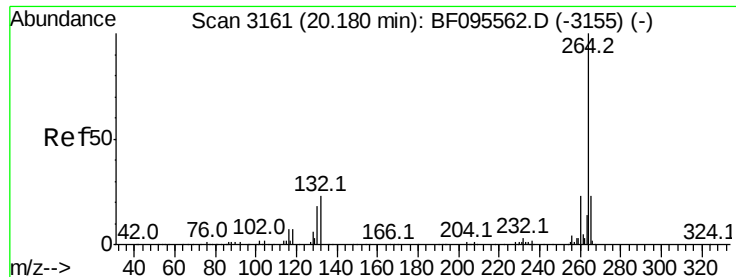


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.17 min Scan# 3143  
Delta R.T. 0.01 min  
Lab File: BF095620.D  
Acq: 2 Jun 2017 6:01

Instrument :  
BNA\_F  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 201195 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.3  | 19.5  | 29.3   |
| 265       | 20.5  | 17.2  | 25.8   |

