

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070217\  
 Data File : BF096426.D  
 Acq On : 2 Jul 2017 19:55  
 Operator : SJ/MA  
 Sample : I3950-14 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B6-2-4

Quant Time: Jul 03 06:30:15 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 128567   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 502269   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.77  | 164  | 179286   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.25 | 188  | 252127   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 200294   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.29 | 264  | 131872   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 81727    | 9.38  | ng    | -0.01    |
| 7) Phenol-d6                | 6.36  | 99   | 106689   | 9.96  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 47585    | 5.69  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 11296    | 8.07  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 106749   | 10.18 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.83 | 244  | 67019    | 7.15  | ng    | 0.00     |

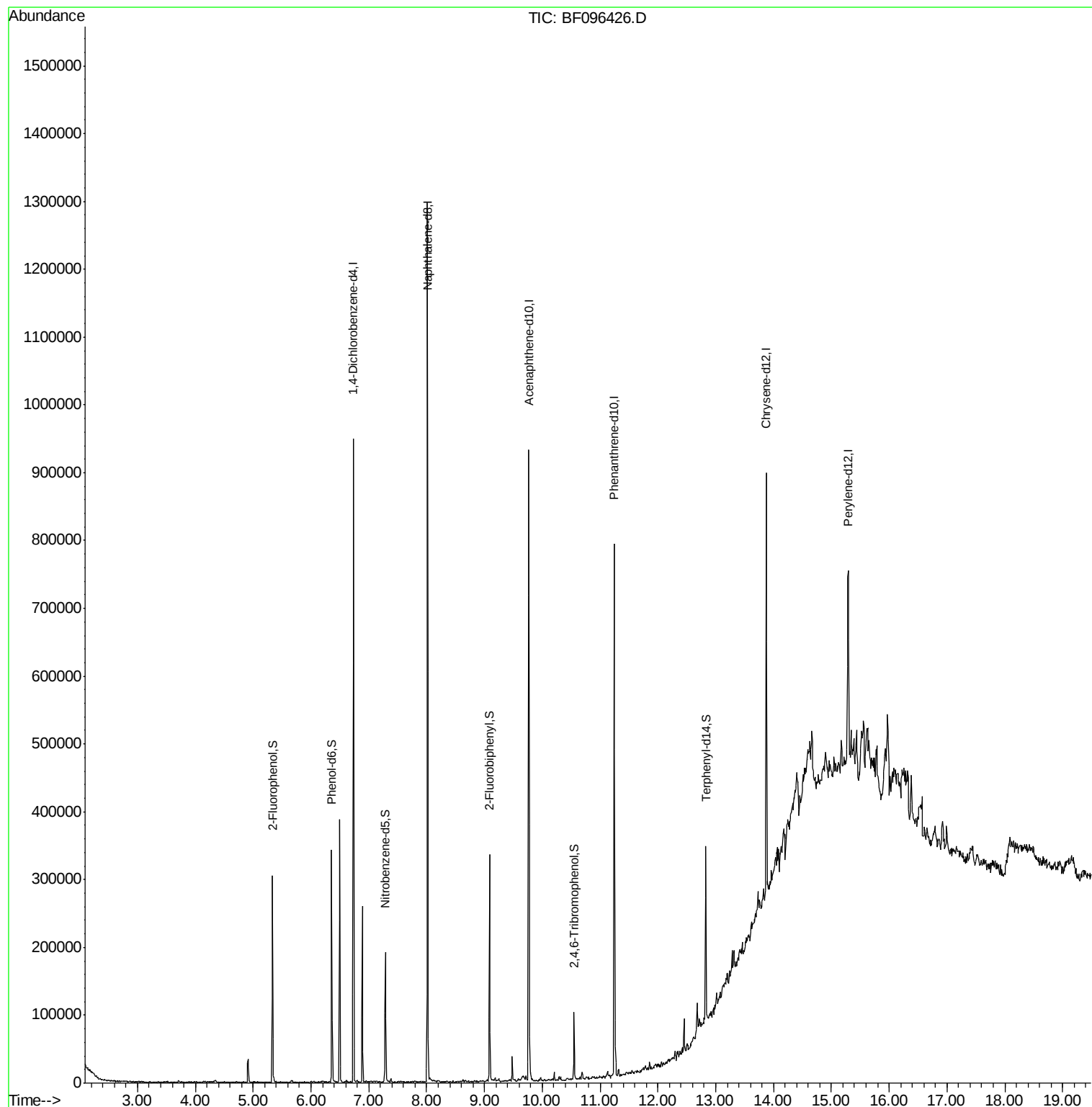
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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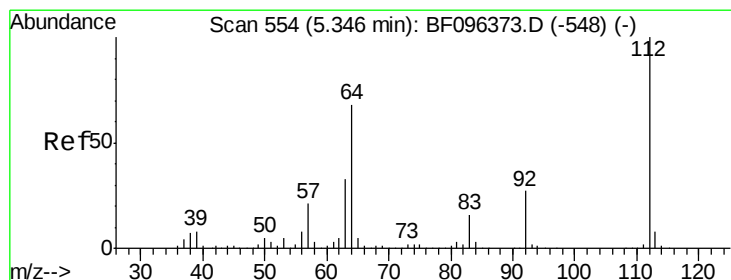
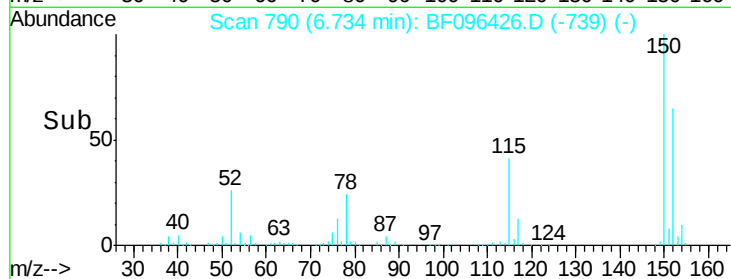
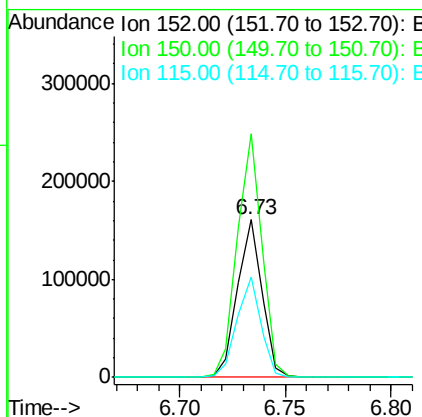
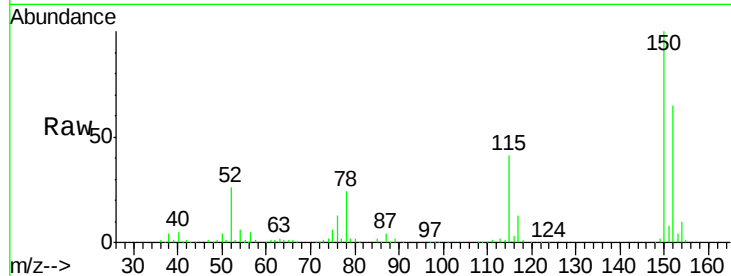


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Instrument :  
BNA\_F  
ClientSampleId :  
B6-2-4

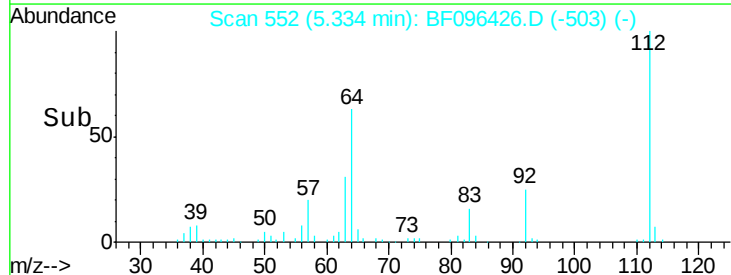
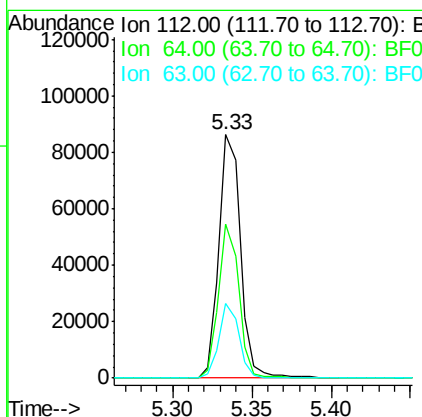
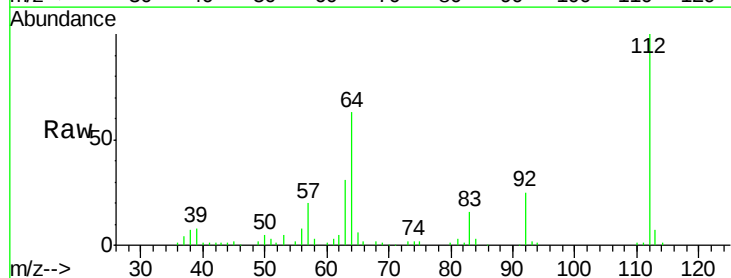
Tgt Ion:152 Resp: 128567  
Ion Ratio Lower Upper  
152 100  
150 154.4 126.2 189.2  
115 63.2 52.2 78.2



#5

2-Fluorophenol  
Concen: 9.382 ng  
RT: 5.33 min Scan# 552  
Delta R.T. -0.01 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Tgt Ion:112 Resp: 81727  
Ion Ratio Lower Upper  
112 100  
64 63.3 46.0 69.0  
63 30.7 23.4 35.0





#7

Phenol-d6

Concen: 9.963 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096426.D

Acq: 2 Jul 2017 19:55

Instrument :

BNA\_F

ClientSampleId :

B6-2-4

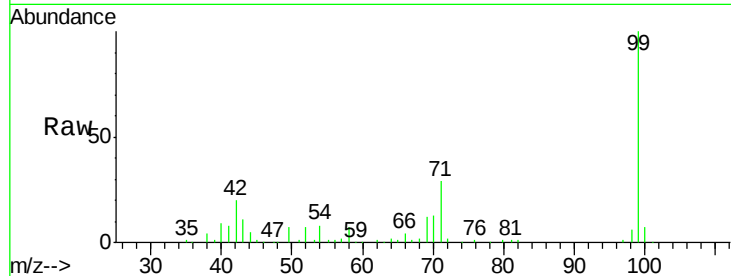
Tgt Ion: 99 Resp: 106689

Ion Ratio Lower Upper

99 100

42 20.4 13.5 20.3#

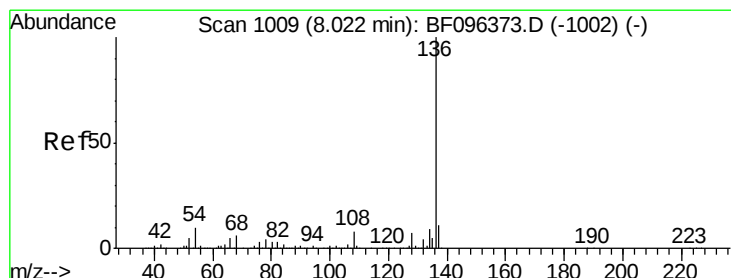
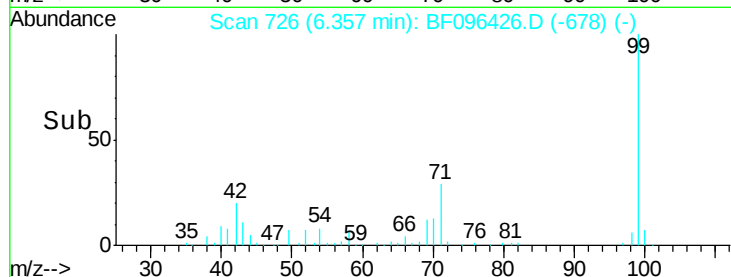
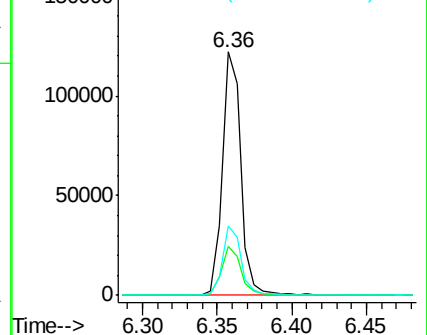
71 28.8 24.5 36.7



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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096426.D

Acq: 2 Jul 2017 19:55

Tgt Ion: 136 Resp: 502269

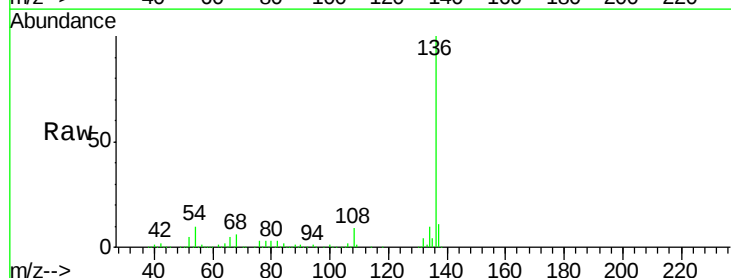
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.4 4.9 7.3#

68 5.8 4.1 6.1

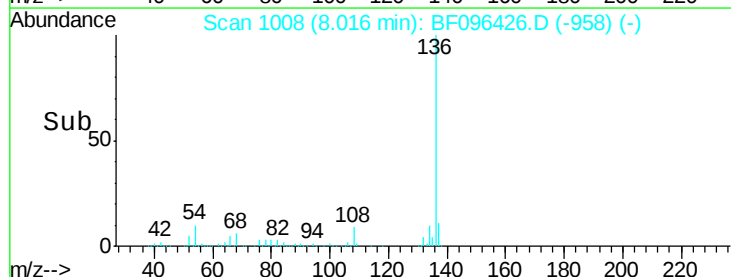
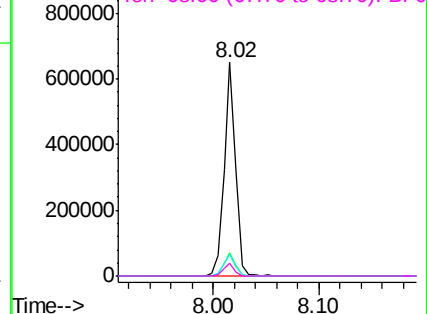


Abundance Ion 136.00 (135.70 to 136.70): E

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

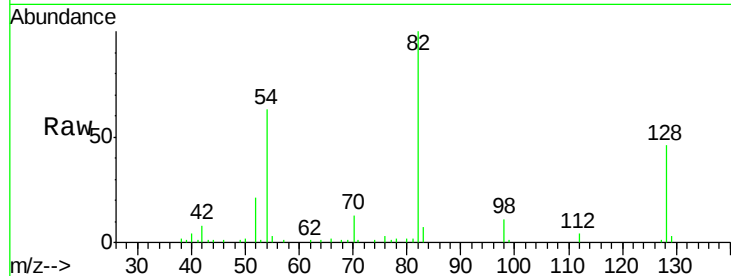




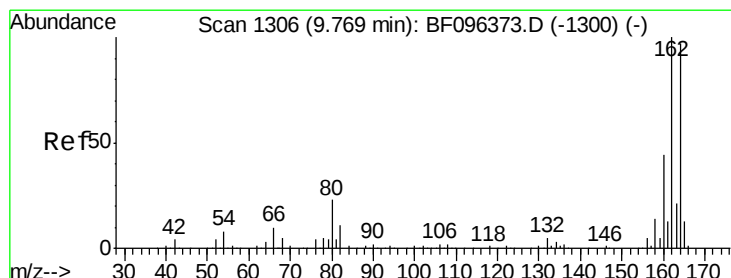
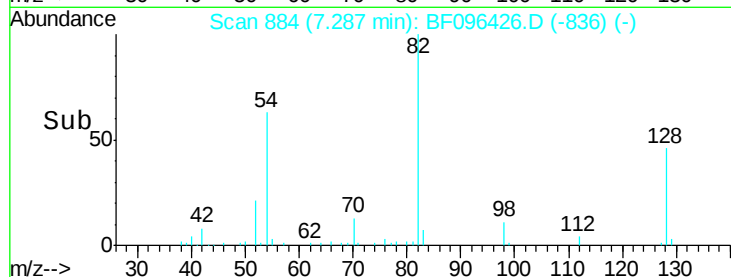
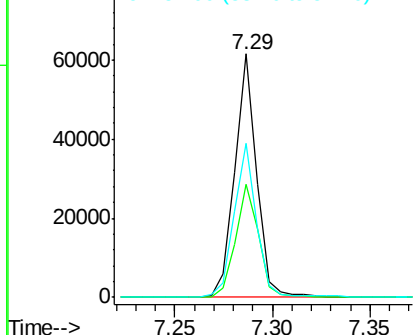
#23  
Nitrobenzene-d5  
Concen: 5.693 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Instrument :  
BNA\_F  
ClientSampled :  
B6-2-4

Tgt Ion: 82 Resp: 47585  
Ion Ratio Lower Upper  
82 100  
128 46.4 34.0 51.0  
54 63.2 42.2 63.2

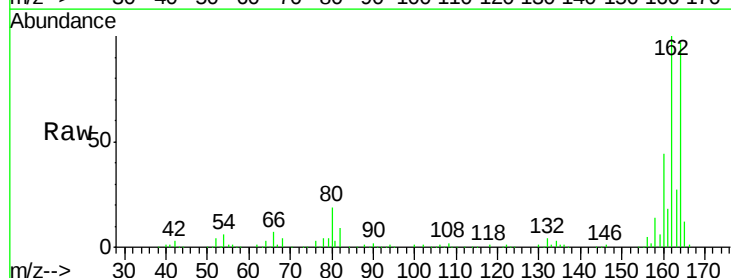


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

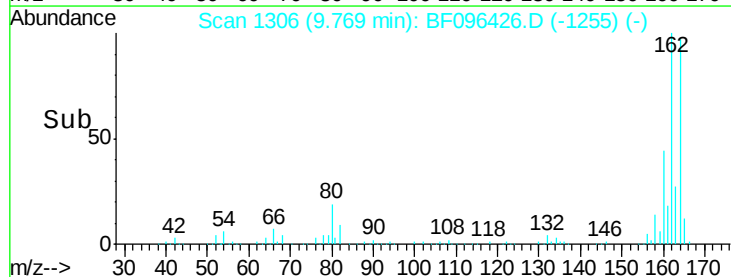
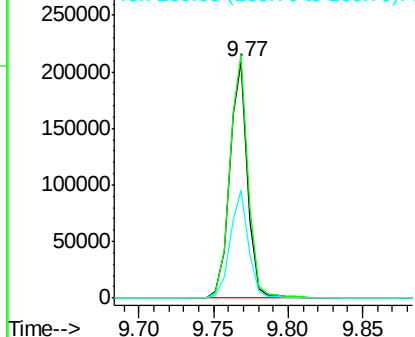


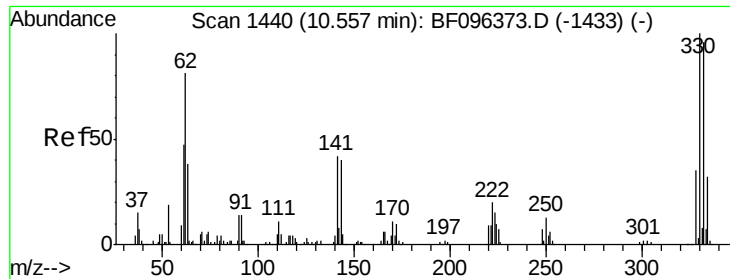
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Tgt Ion: 164 Resp: 179286  
Ion Ratio Lower Upper  
164 100  
162 103.1 82.6 123.8  
160 45.8 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

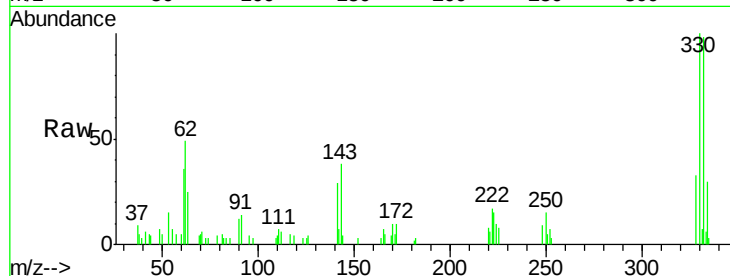




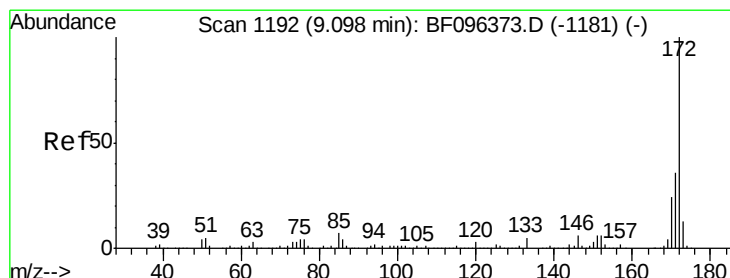
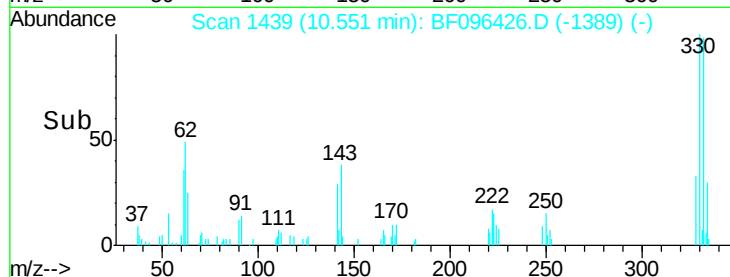
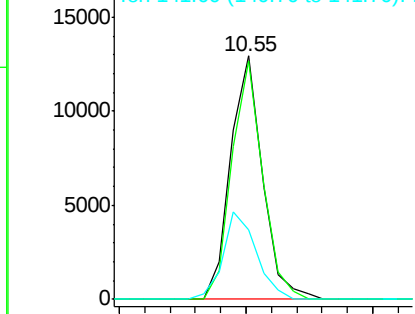
#41  
 2,4,6-Tribromophenol  
 Concen: 8.066 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF096426.D  
 Acq: 2 Jul 2017 19:55

Instrument :  
 BNA\_F  
 ClientSampled :  
 B6-2-4

Tgt Ion: 330 Resp: 11296  
 Ion Ratio Lower Upper  
 330 100  
 332 94.0 76.6 115.0  
 141 37.6 31.4 47.2

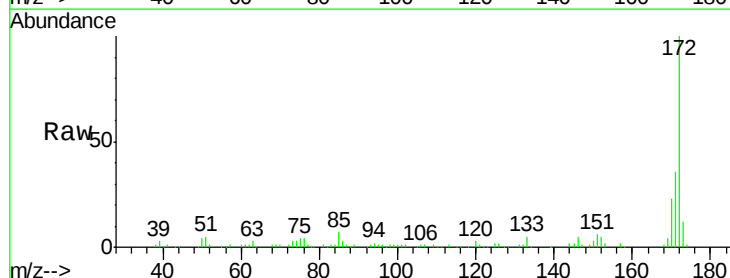


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

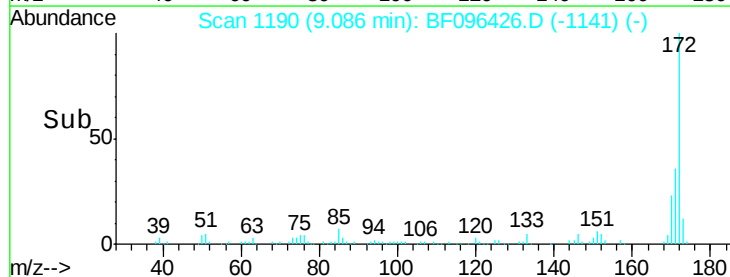
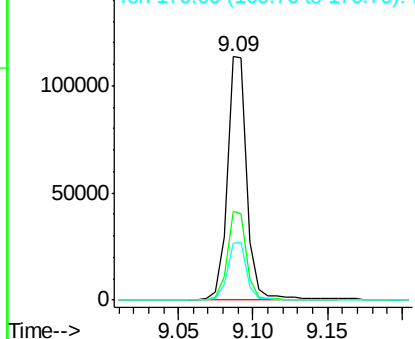


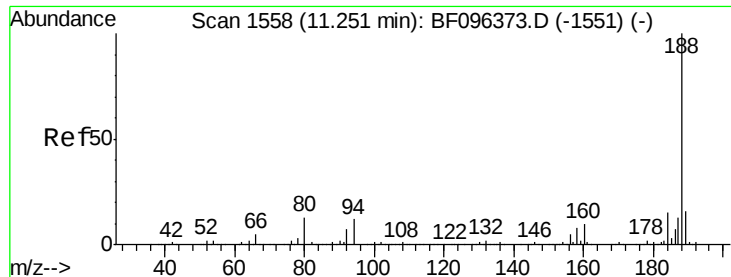
#44  
 2-Fluorobiphenyl  
 Concen: 10.180 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096426.D  
 Acq: 2 Jul 2017 19:55

Tgt Ion: 172 Resp: 106749  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 23.4 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

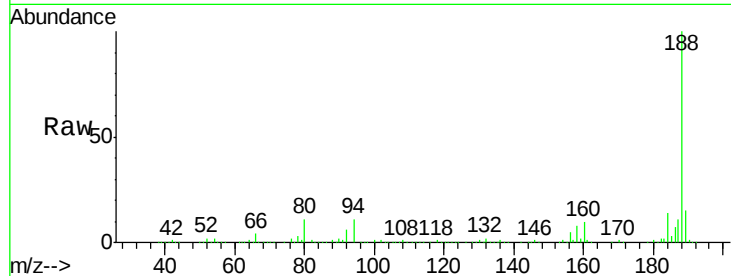




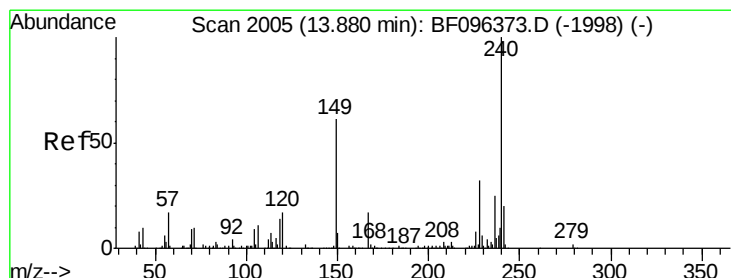
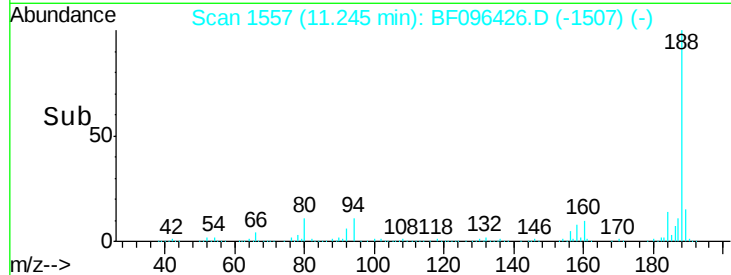
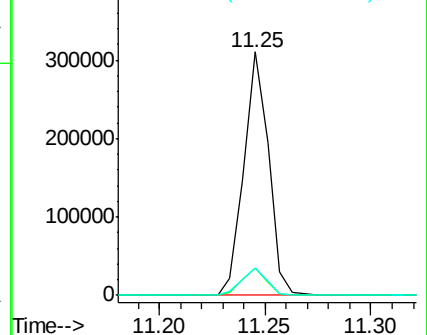
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Instrument :  
BNA\_F  
ClientSampled :  
B6-2-4

Tgt Ion:188 Resp: 252127  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 11.3 10.2 15.2

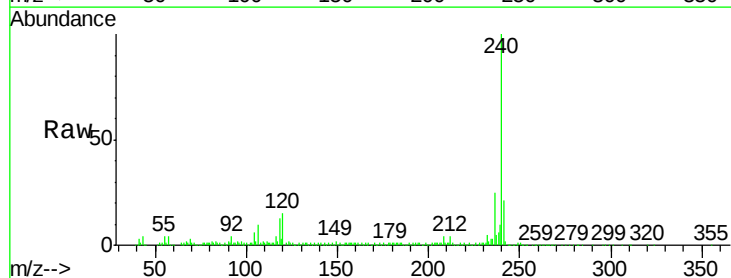


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

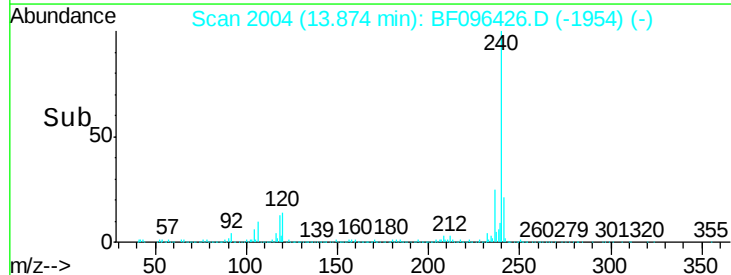
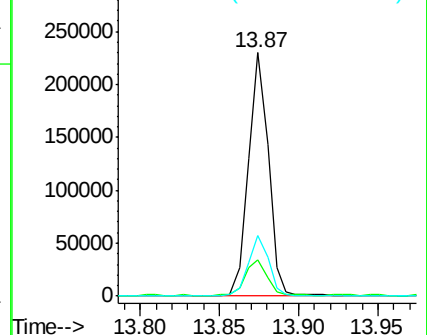


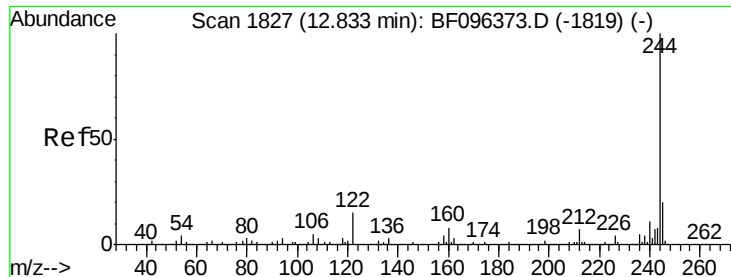
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: BF096426.D  
Acq: 2 Jul 2017 19:55

Tgt Ion:240 Resp: 200294  
Ion Ratio Lower Upper  
240 100  
120 14.8 5.8 8.8#  
236 24.8 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

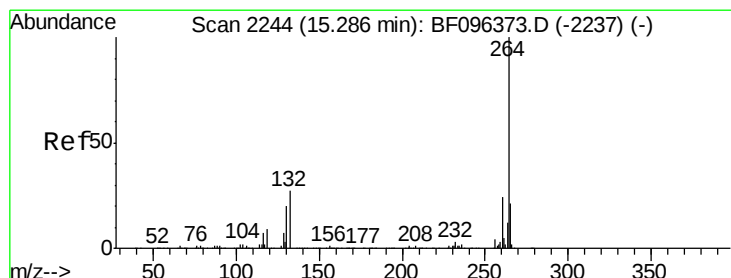
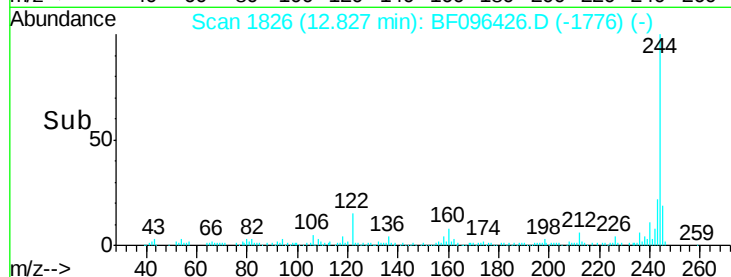
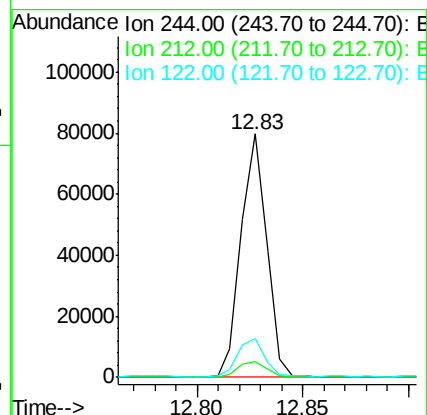
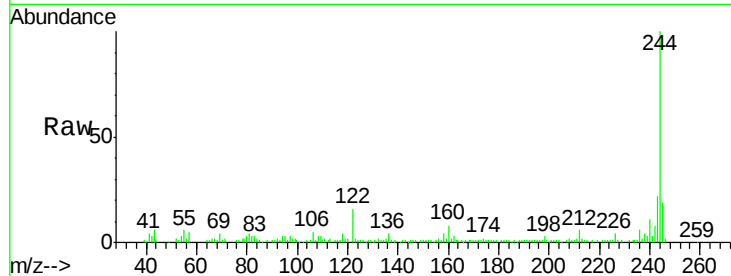




#78  
 Terphenyl-d14  
 Concen: 7.150 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF096426.D  
 Acq: 2 Jul 2017 19:55

Instrument :  
 BNA\_F  
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Tgt Ion:244 Resp: 67019  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 6.0 9.0  
 122 15.8 10.3 15.5#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2245  
 Delta R.T. 0.01 min  
 Lab File: BF096426.D  
 Acq: 2 Jul 2017 19:55

Tgt Ion:264 Resp: 131872  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.5 29.3  
 265 22.9 17.2 25.8

