

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\  
 Data File : BF098319.D  
 Acq On : 7 Sep 2017 17:49  
 Operator : SJ/JU  
 Sample : I5066-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-1

Quant Time: Sep 08 02:03:31 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 05 17:28:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 111485   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.97  | 136  | 436265   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.72  | 164  | 184793   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.20 | 188  | 311786   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.84 | 240  | 253078   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.25 | 264  | 202179   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 589609   | 80.44  | ng    | -0.01    |
| 7) Phenol-d6                | 6.33  | 99   | 546951   | 54.92  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 737003   | 91.77  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 211439   | 131.87 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 1097953  | 87.29  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.79 | 244  | 788082   | 64.94  | ng    | -0.02    |

Target Compounds Qvalue

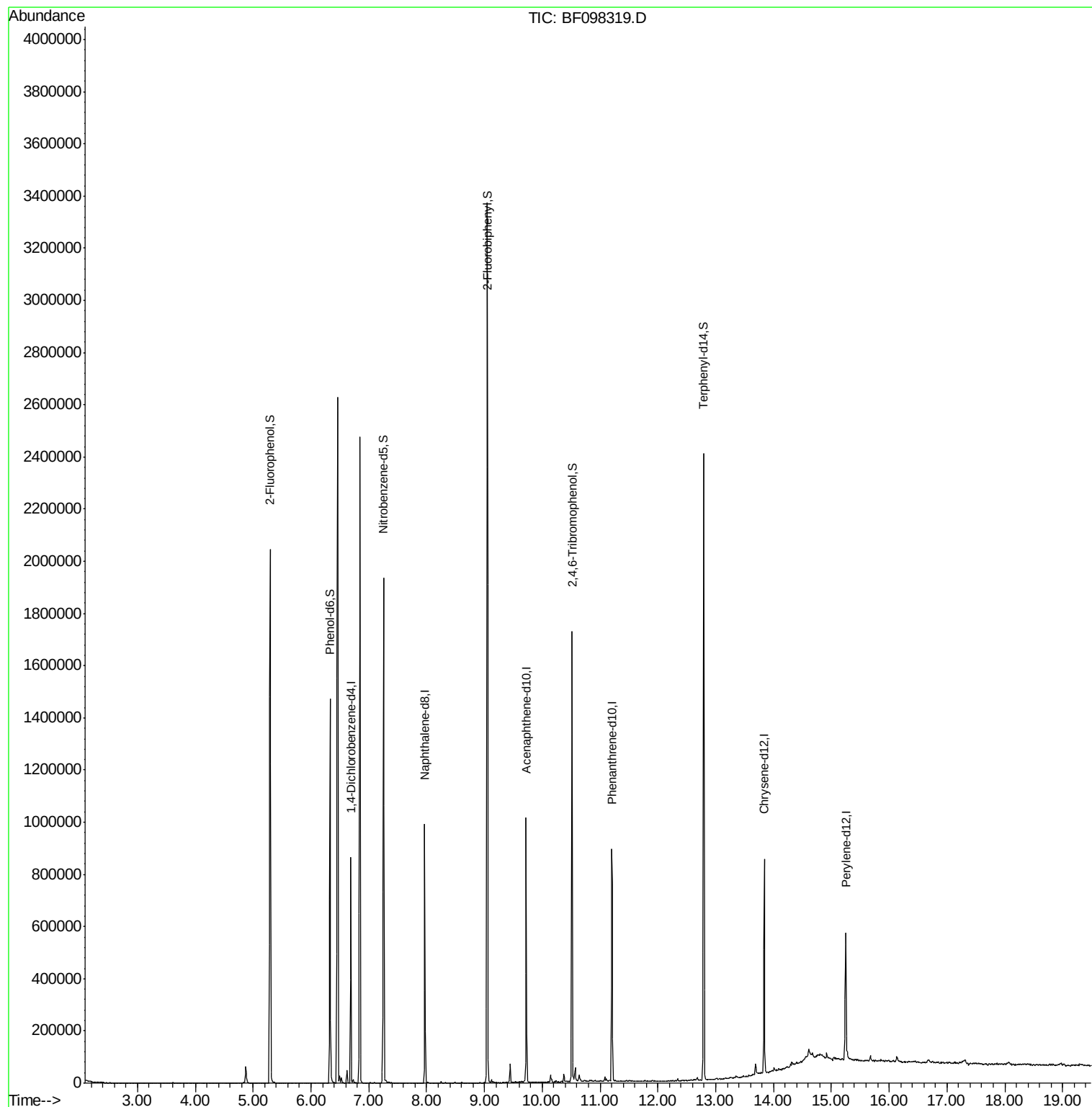
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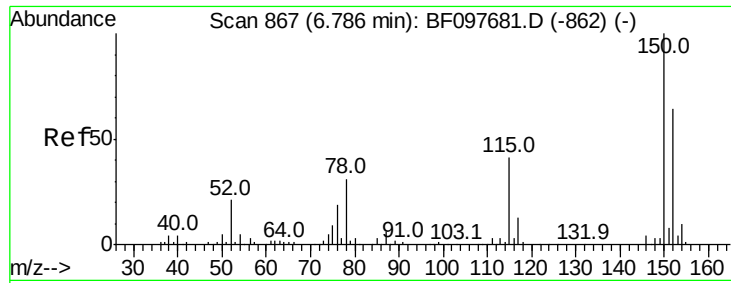
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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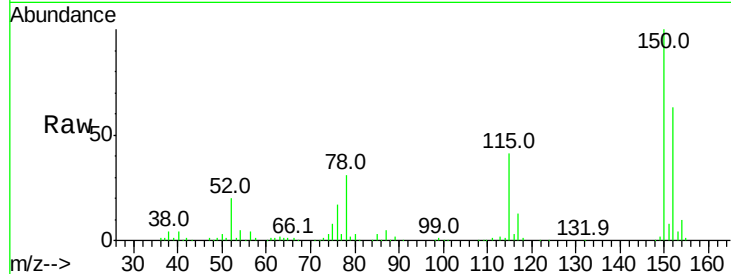


#1

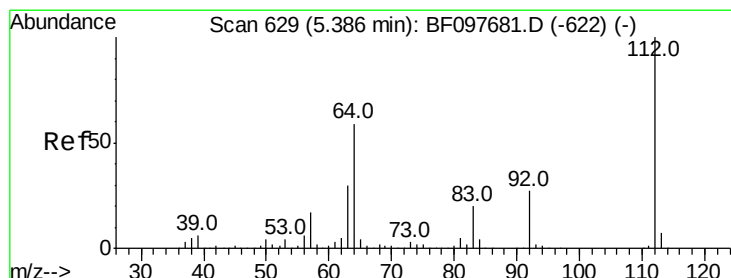
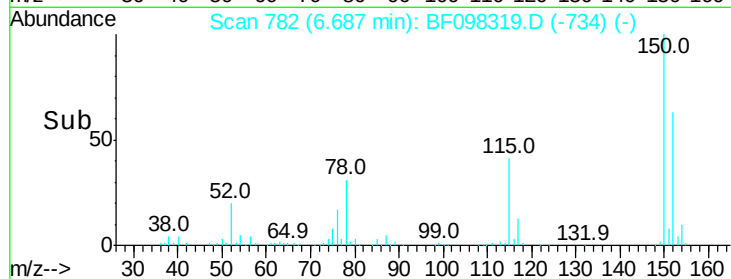
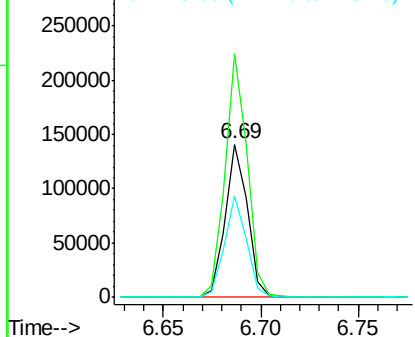
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BF098319.D  
Acq: 7 Sep 2017 17:49

Instrument :  
BNA\_F  
ClientSampleId :  
TW-1

Tot Ion:152 Resp: 111485  
Ion Ratio Lower Upper  
152 100  
150 159.2 126.2 189.2  
115 66.1 52.2 78.2



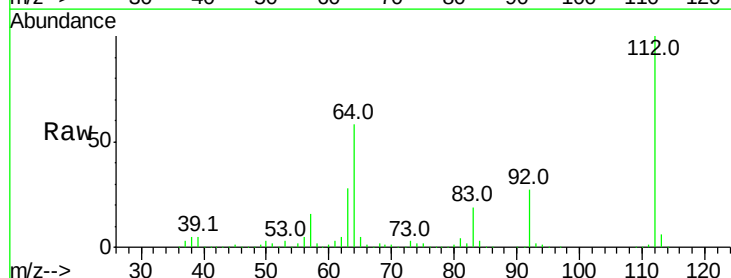
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



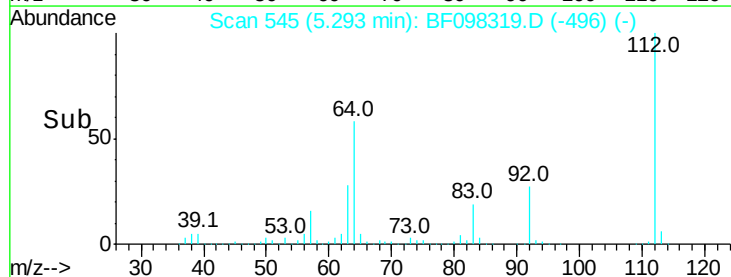
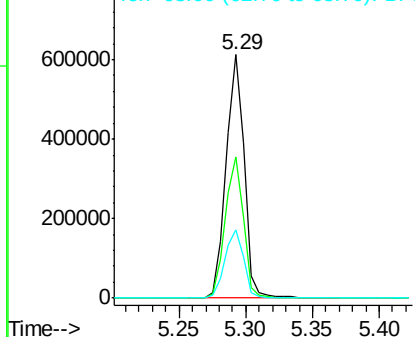
#5

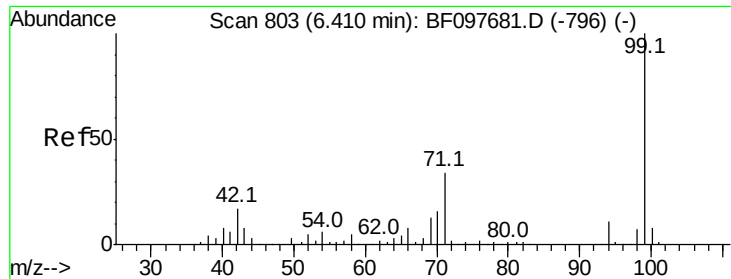
2-Fluorophenol  
Concen: 80.445 ng  
RT: 5.29 min Scan# 545  
Delta R.T. -0.01 min  
Lab File: BF098319.D  
Acq: 7 Sep 2017 17:49

Tgt Ion:112 Resp: 589609  
Ion Ratio Lower Upper  
112 100  
64 58.3 46.0 69.0  
63 28.3 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: 54.923 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098319.D

Acq: 7 Sep 2017 17:49

Instrument :

BNA\_F

ClientSampleId :

TW-1

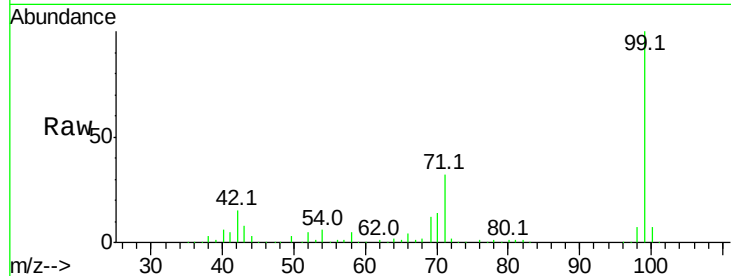
Tot Ion: 99 Resp: 546951

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

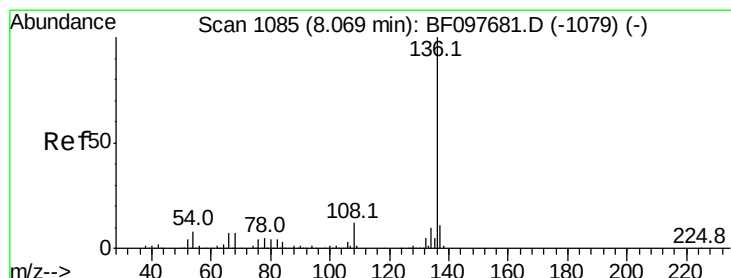
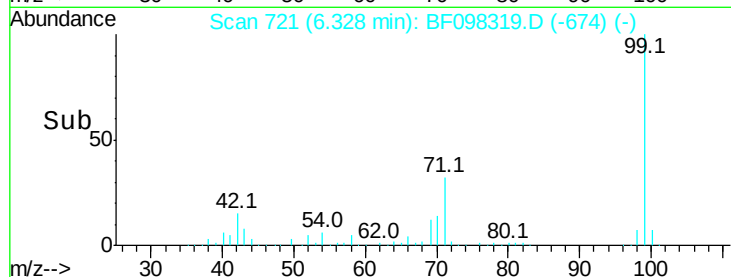
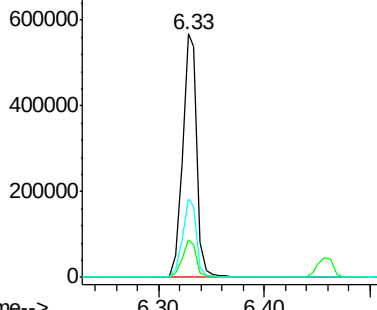
71 32.5 24.5 36.7



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: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF098319.D

Acq: 7 Sep 2017 17:49

Tgt Ion: 136 Resp: 436265

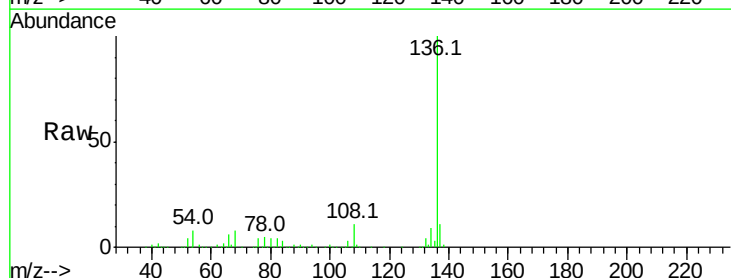
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.4 4.9 7.3#

68 7.9 4.1 6.1#

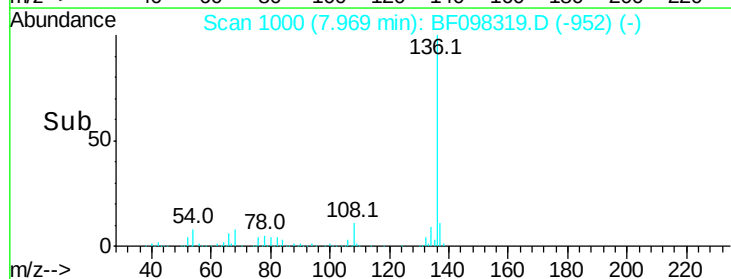
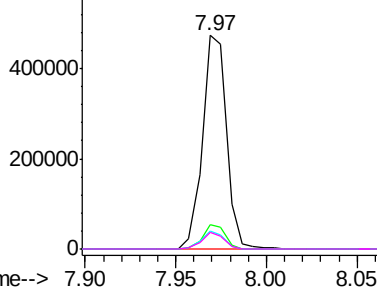


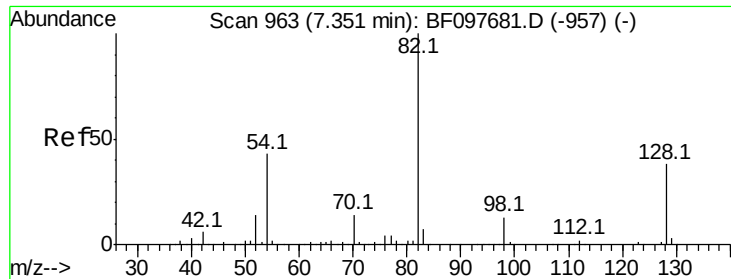
Abundance Ion 136.00 (135.70 to 136.70): E

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

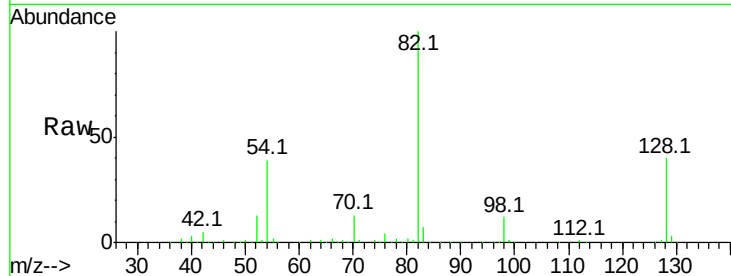




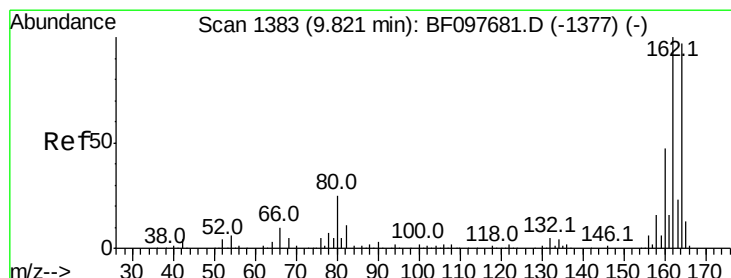
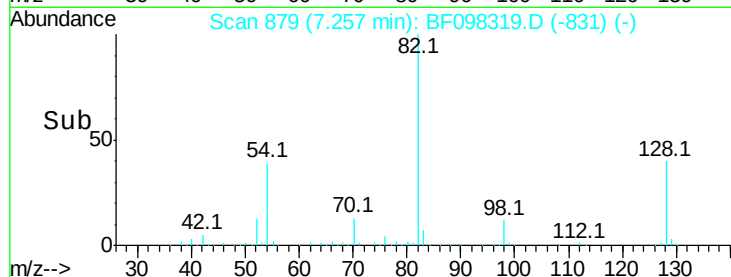
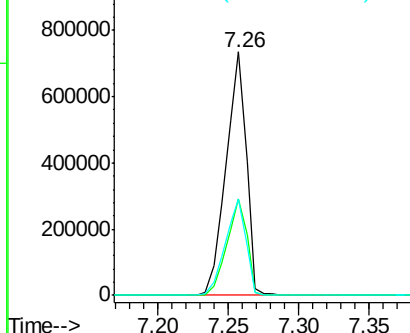
#23  
 Nitrobenzene-d5  
 Concen: 91.773 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 TW-1

Tot Ion: 82 Resp: 737003  
 Ion Ratio Lower Upper  
 82 100  
 128 39.8 34.0 51.0  
 54 39.5 42.2 63.2#

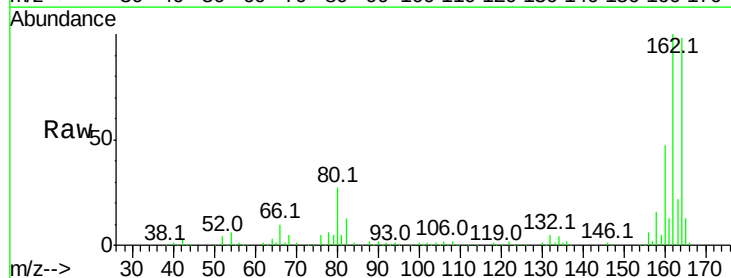


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

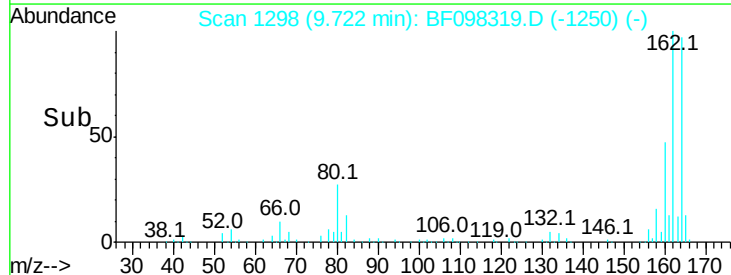
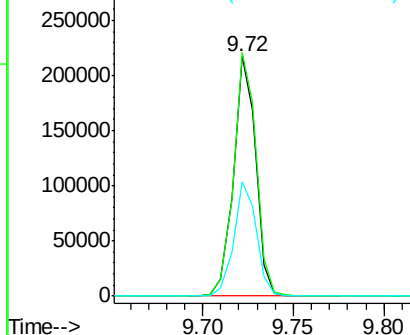


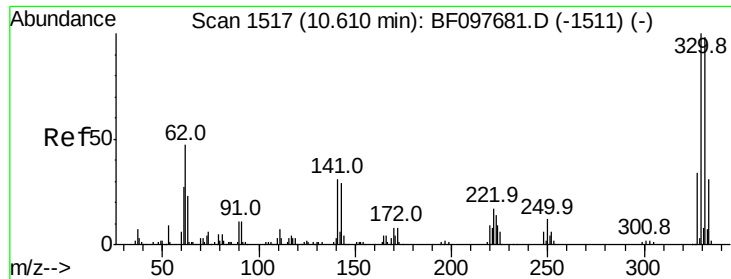
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

Tgt Ion:164 Resp: 184793  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 82.6 123.8  
 160 48.0 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

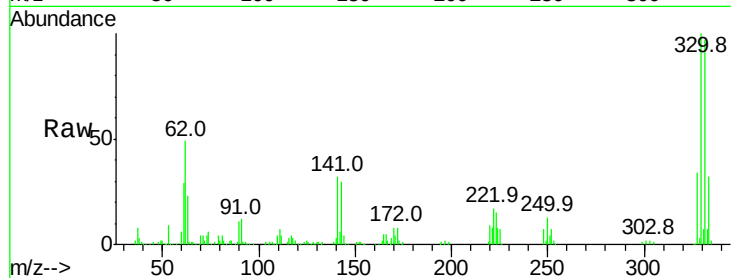




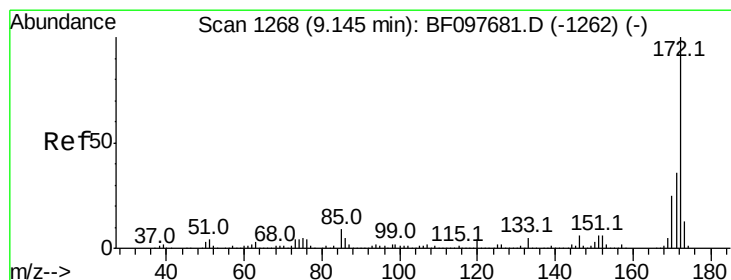
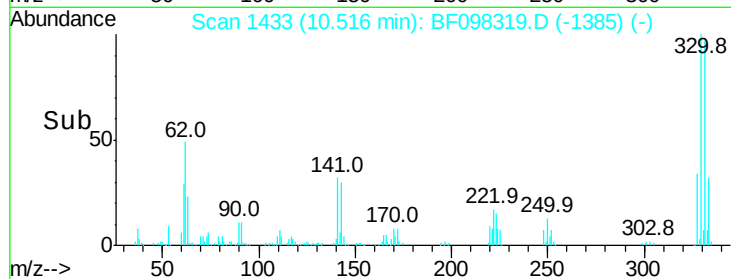
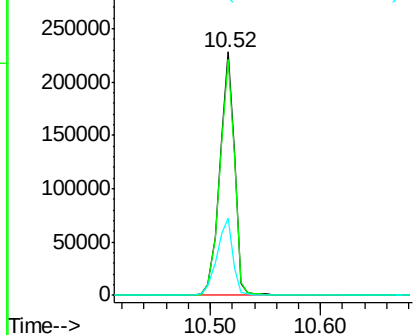
#41  
 2,4,6-Tribromophenol  
 Concen: 131.871 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-1

Tot Ion:330 Resp: 211439  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.6 115.0  
 141 33.9 31.4 47.2

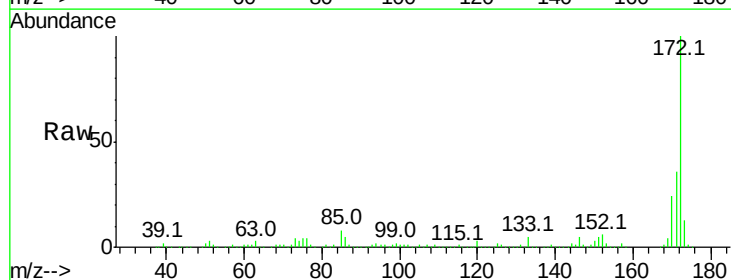


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

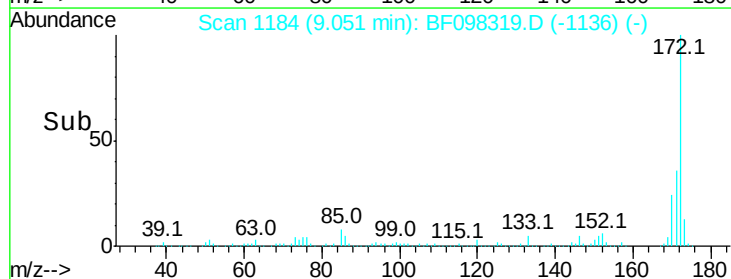
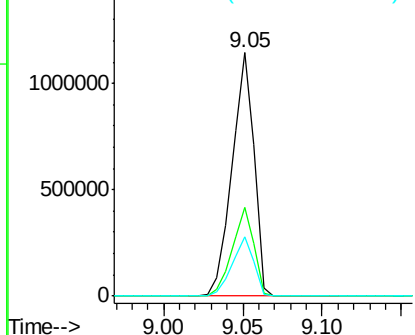


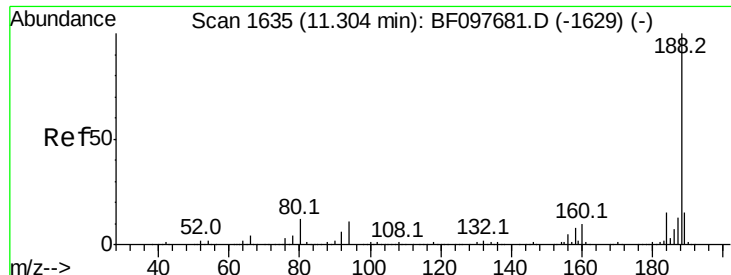
#44  
 2-Fluorobiphenyl  
 Concen: 87.293 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

Tgt Ion:172 Resp: 1097953  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.1 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

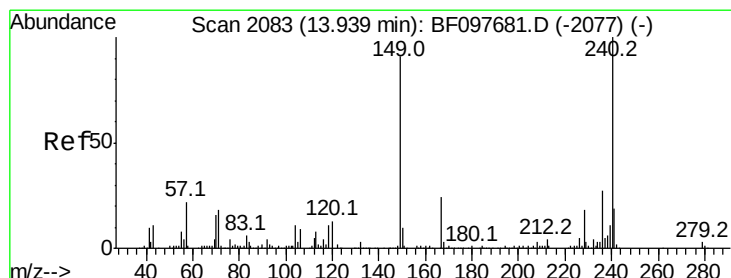
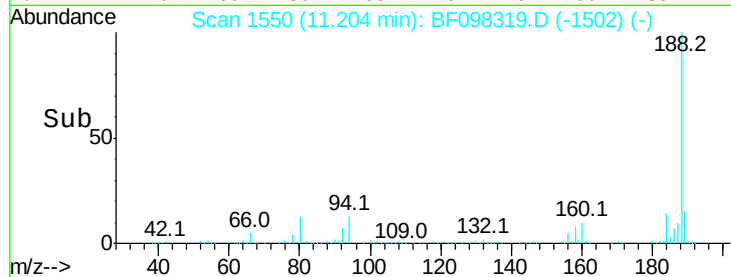
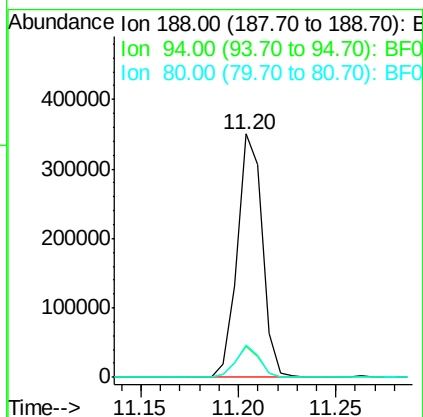
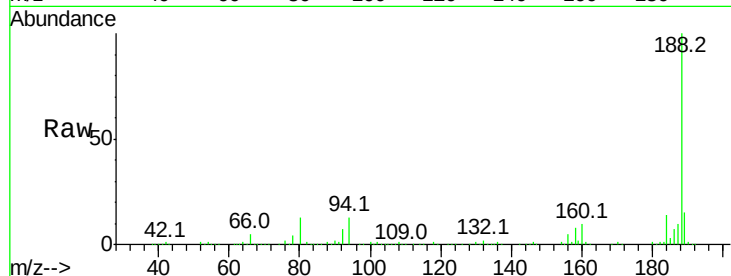




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.20 min Scan# 1550  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

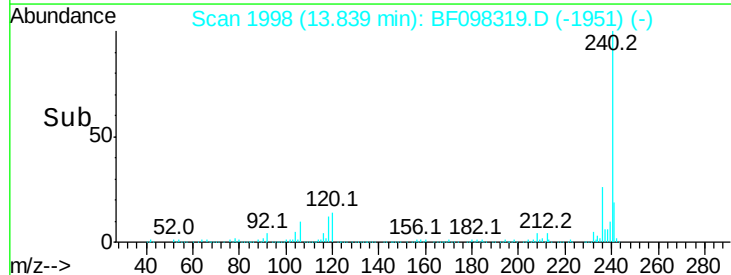
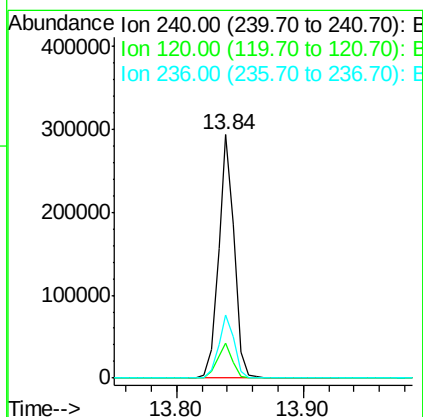
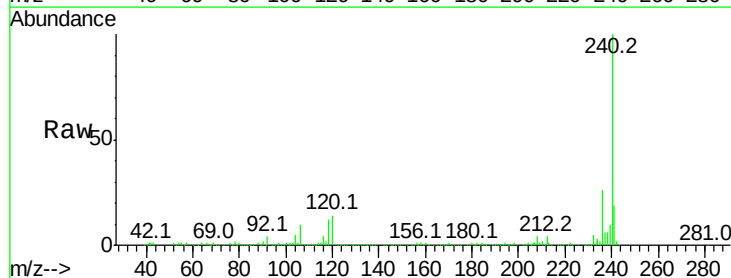
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-1

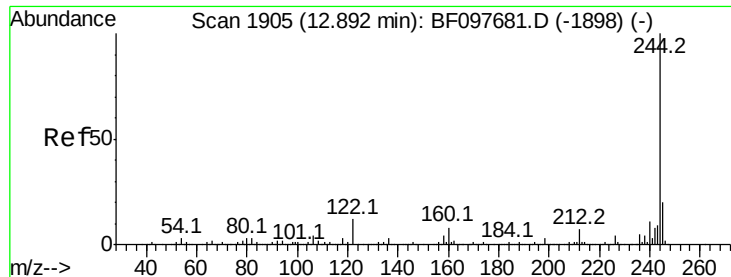
Tot Ion:188 Resp: 311786  
 Ion Ratio Lower Upper  
 188 100  
 94 12.8 9.4 14.2  
 80 13.4 10.2 15.2



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.84 min Scan# 1998  
 Delta R.T. -0.02 min  
 Lab File: BF098319.D  
 Acq: 7 Sep 2017 17:49

Tgt Ion:240 Resp: 253078  
 Ion Ratio Lower Upper  
 240 100  
 120 14.4 5.8 8.8#  
 236 26.0 20.5 30.7





#78

Terphenyl-d14

Concen: 64.937 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF098319.D

Acq: 7 Sep 2017 17:49

Instrument :

BNA\_F

ClientSampled :

TW-1

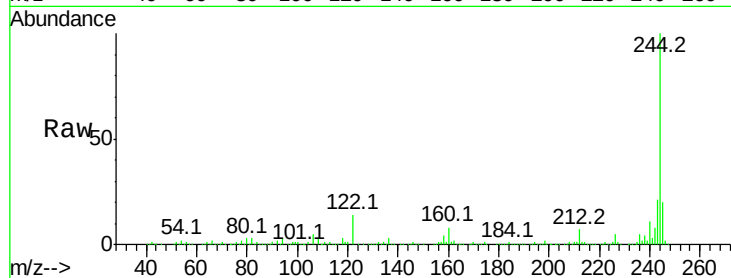
Tot Ion:244 Resp: 788082

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

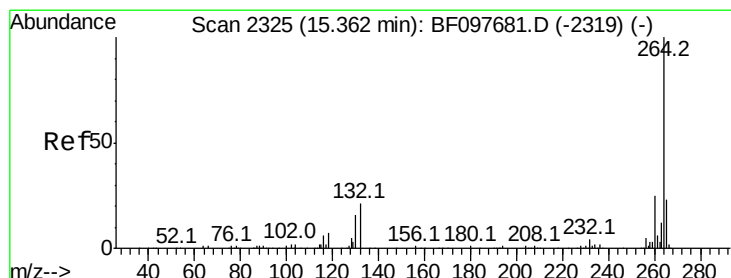
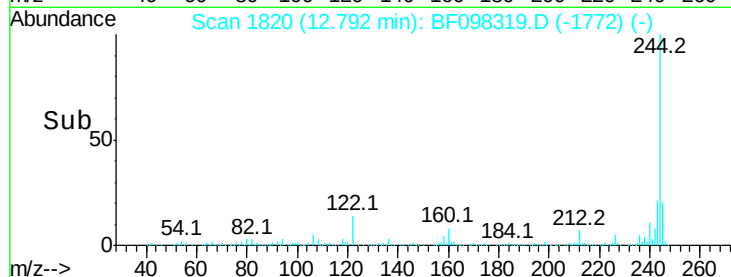
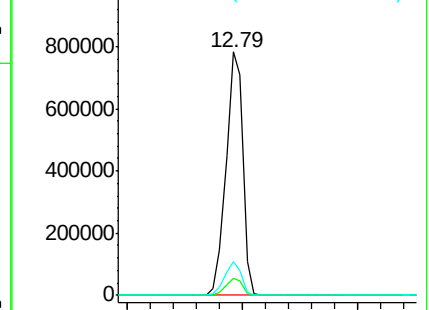
122 13.7 10.3 15.5



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: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF098319.D

Acq: 7 Sep 2017 17:49

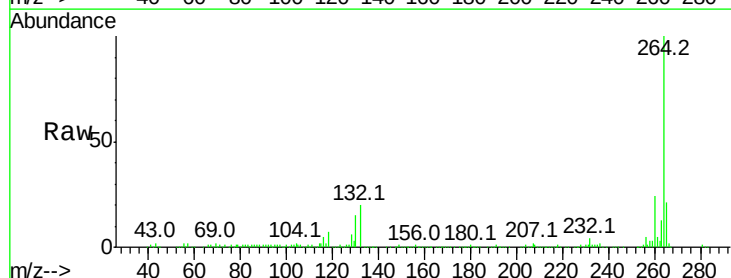
Tgt Ion:264 Resp: 202179

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.3 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

