

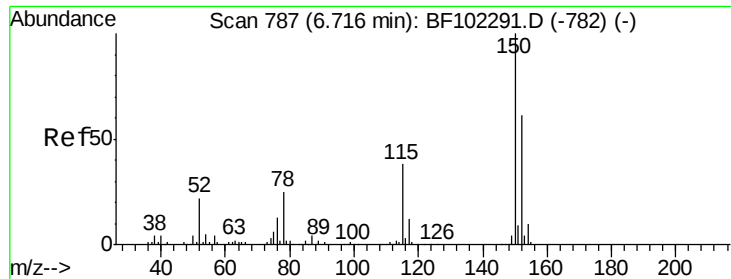
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102638.D
 Acq On : 30 Jan 2018 14:43
 Operator : SJ/JU
 Sample : J1345-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZIPPER-DRAIN

Quant Time: Jan 30 23:06:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	163514	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	678457	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	315828	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	526686	20.00	ng	0.00
75) Chrysene-d12	13.87	240	449318	20.00	ng	0.00
86) Perylene-d12	15.30	264	377196	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1074622	99.65	ng	0.01
7) Phenol-d6	6.36	99	1222684	94.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	1081080	91.57	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	321025	102.58	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1762523	82.06	ng	0.00
78) Terphenyl-d14	12.82	244	1711265	85.86	ng	0.00
Target Compounds						
76) Benzidine	12.58	184	47745	3.163	ng	Qvalue 98

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

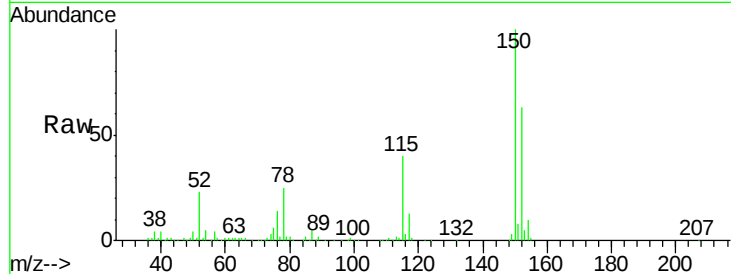


#1

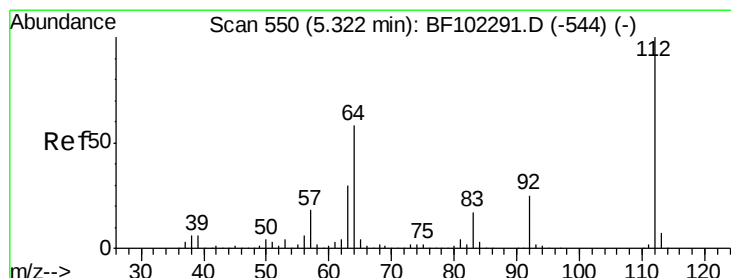
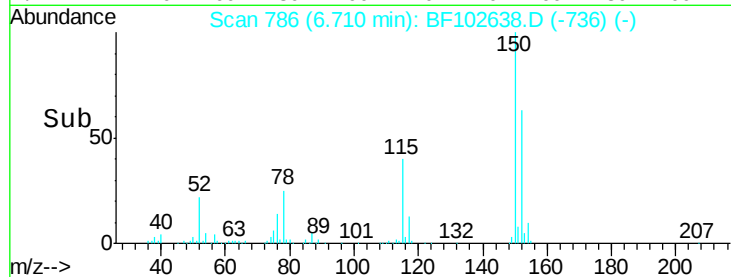
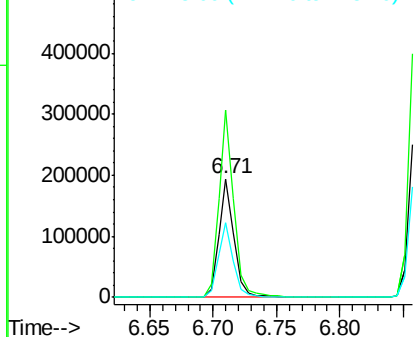
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102638.D
Acq: 30 Jan 2018 14:43

Instrument :
BNA_F
ClientSampleId :
ZIPPER-DRAIN

Tot Ion:152 Resp: 163514
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.5 50.1 75.1



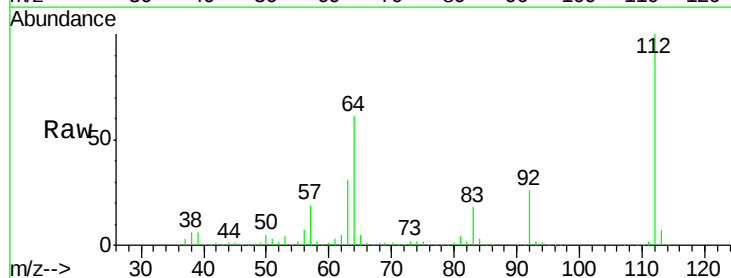
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



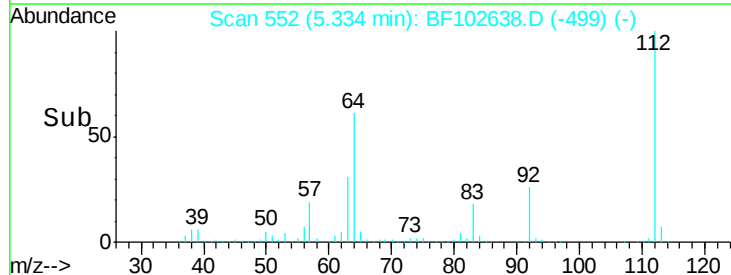
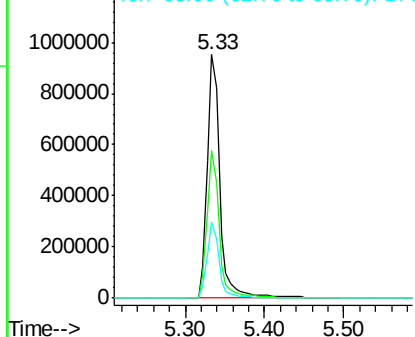
#5

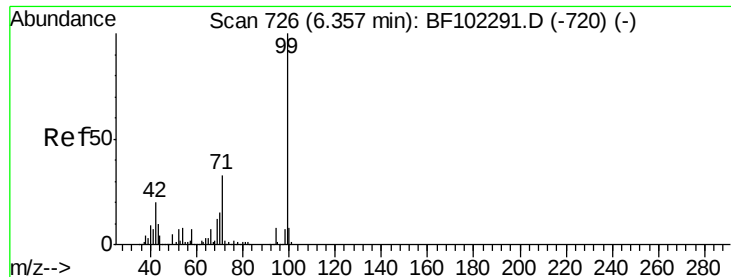
2-Fluorophenol
Concen: 99.649 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102638.D
Acq: 30 Jan 2018 14:43

Tgt Ion:112 Resp: 1074622
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 31.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.044 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

Instrument :

BNA_F

ClientSampleId :

ZIPPER-DRAIN

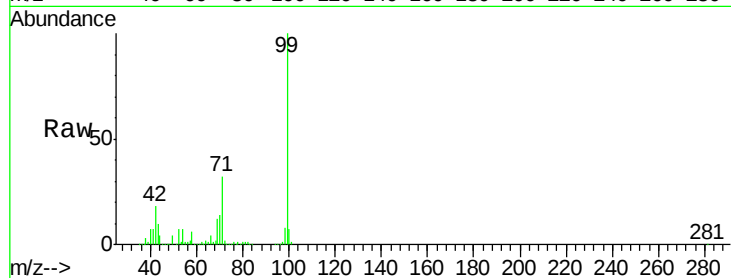
Tot Ion: 99 Resp: 1222684

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

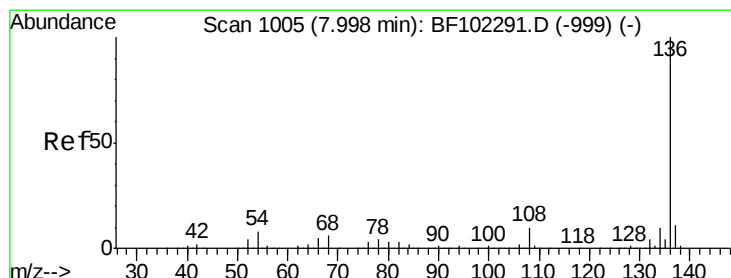
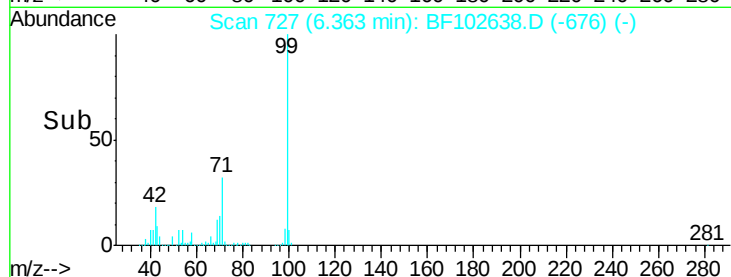
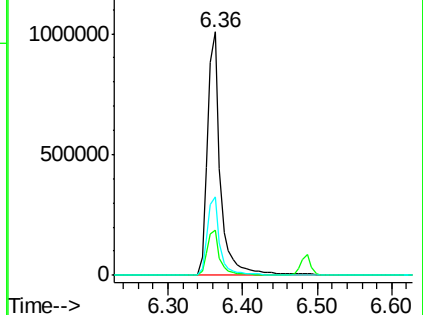
71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

Tgt Ion: 136 Resp: 678457

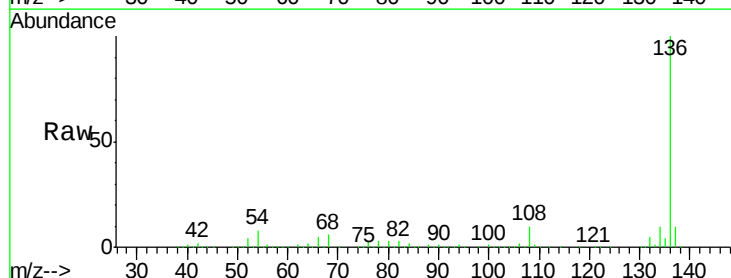
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.0 6.6 9.8

68 5.7 5.0 7.4

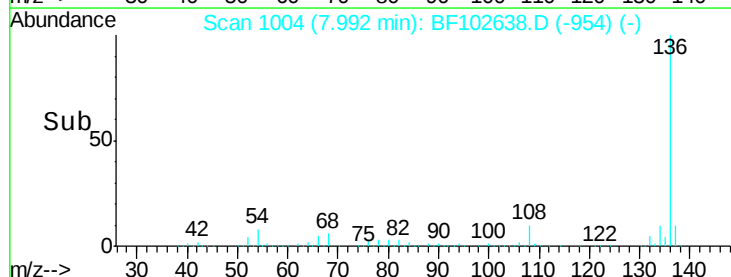
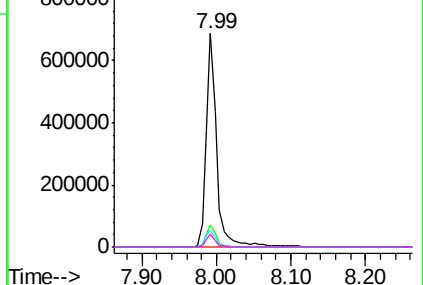


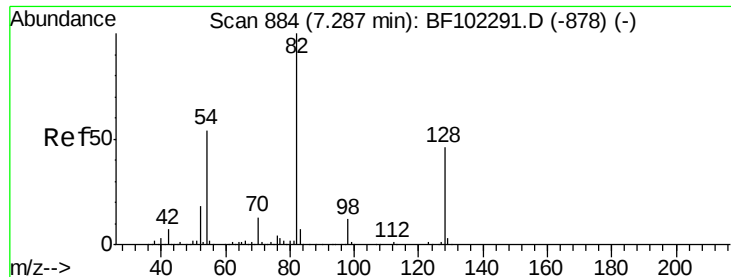
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

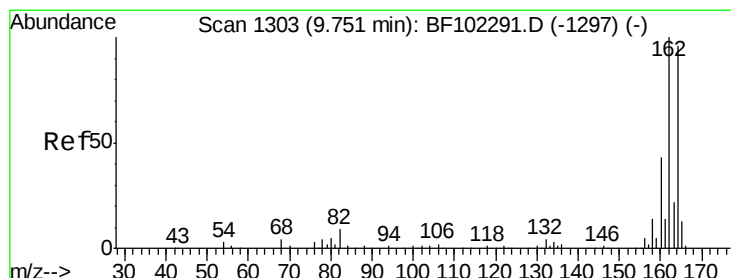
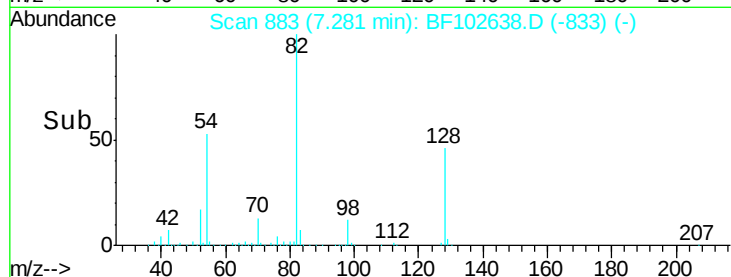
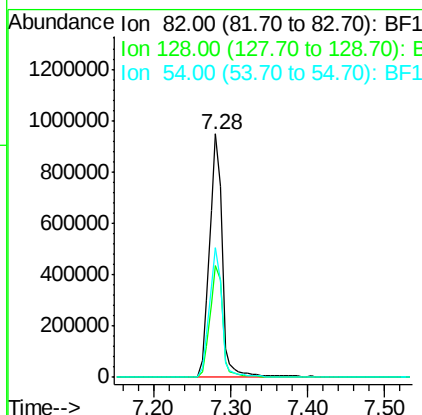
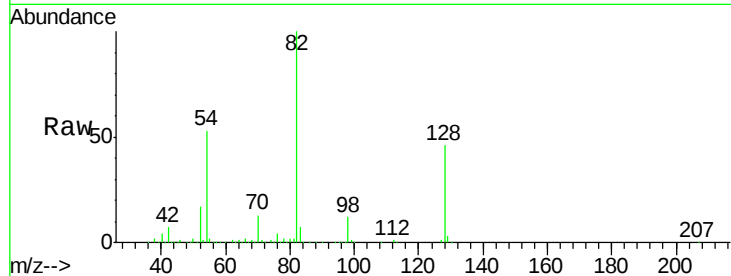




#23
 Nitrobenzene-d5
 Concen: 91.570 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102638.D
 Acq: 30 Jan 2018 14:43

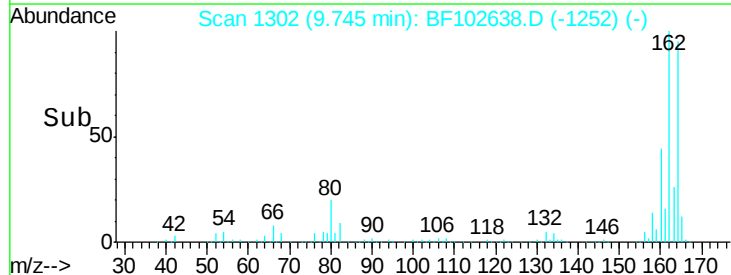
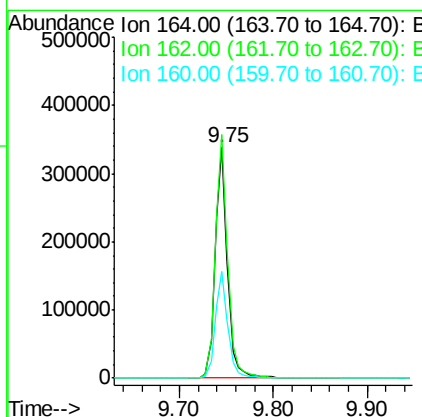
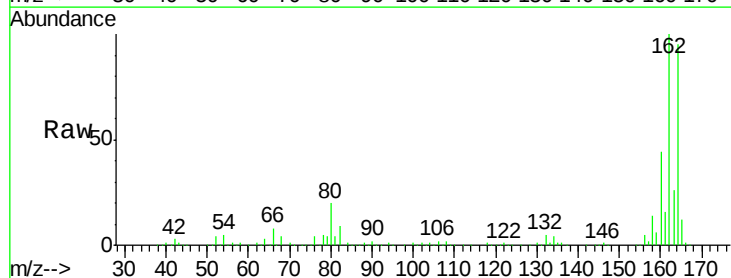
Instrument :
 BNA_F
 ClientSampleId :
 ZIPPER-DRAIN

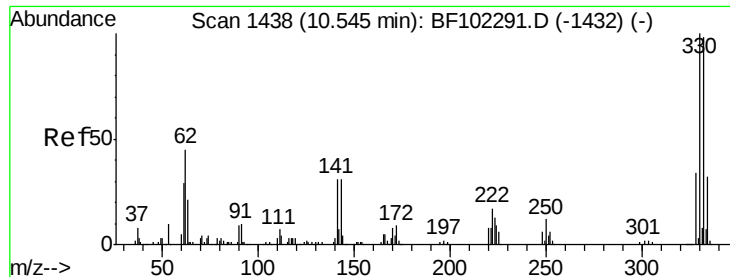
Tot Ion: 82 Resp: 1081080
 Ion Ratio Lower Upper
 82 100
 128 46.1 36.1 54.1
 54 53.1 41.4 62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102638.D
 Acq: 30 Jan 2018 14:43

Tgt Ion: 164 Resp: 315828
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 46.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 102.584 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

Instrument :

BNA_F

ClientSampleId :

ZIPPER-DRAIN

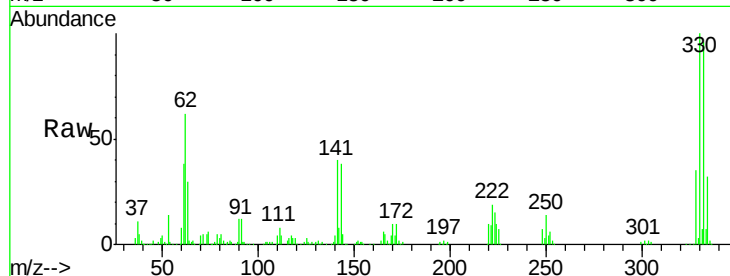
Tot Ion:330 Resp: 321025

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

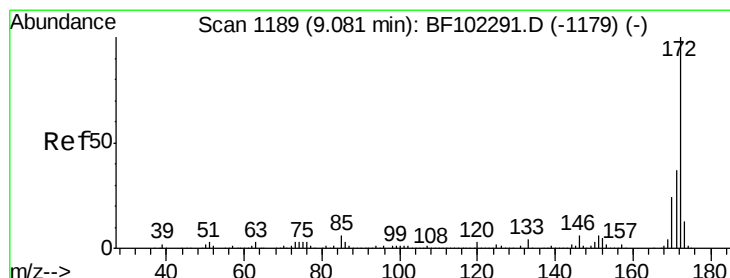
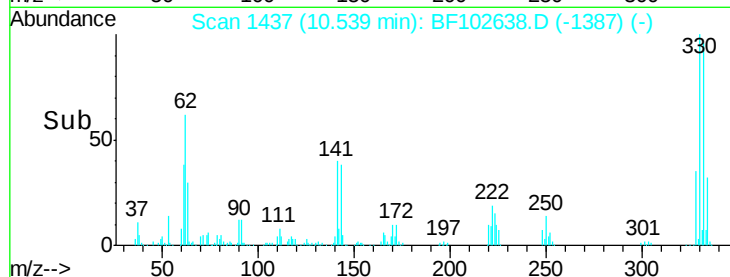
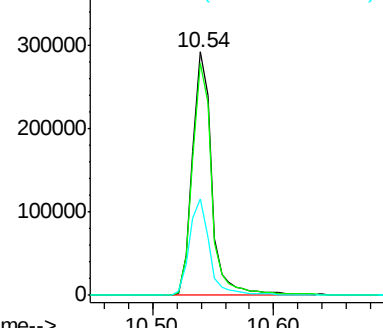
141 41.1 29.9 44.9



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: 82.055 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

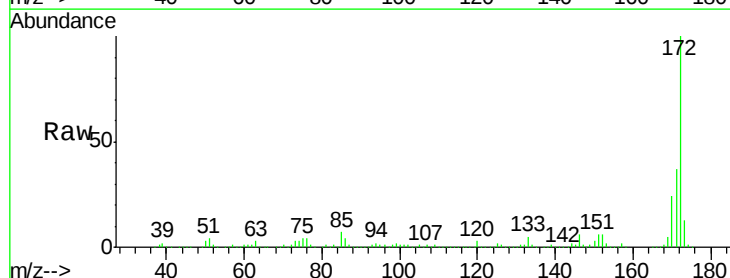
Tgt Ion:172 Resp: 1762523

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

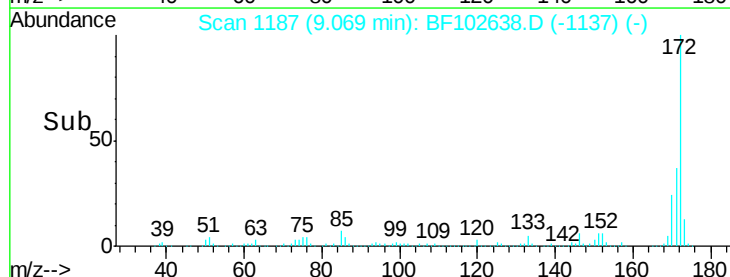
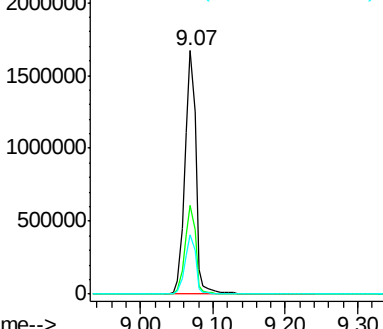
170 24.3 19.6 29.4

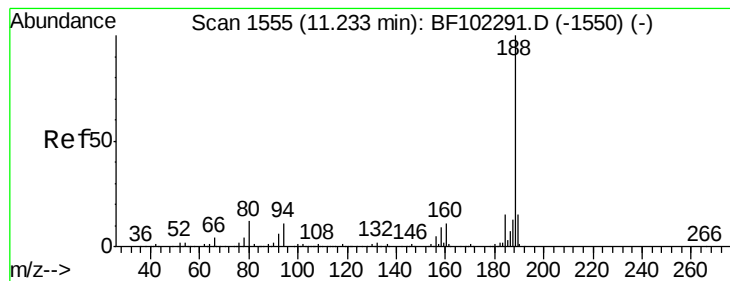


Abundance Ion 172.00 (171.70 to 172.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

Instrument :

BNA_F

ClientSampleId :

ZIPPER-DRAIN

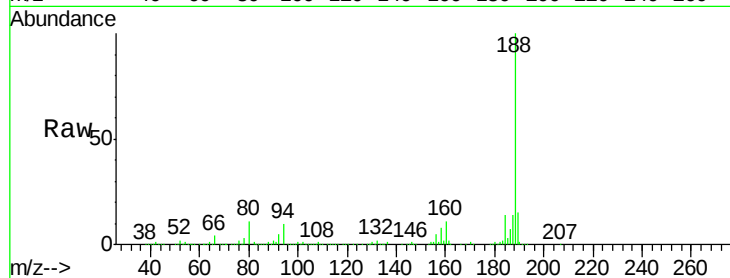
Tot Ion:188 Resp: 526686

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

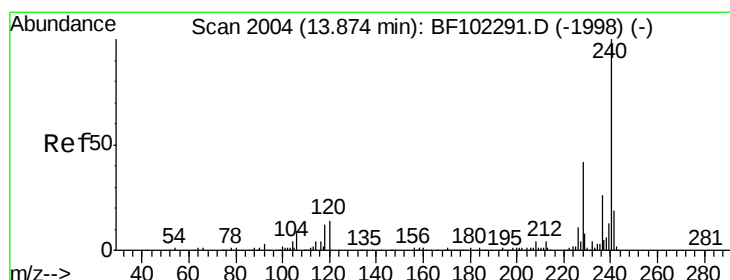
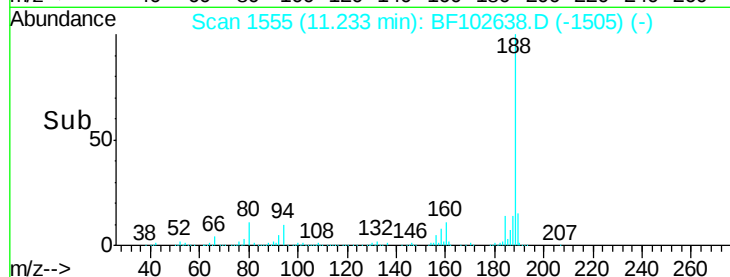
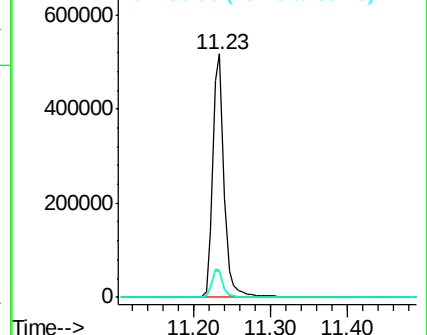
80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102638.D

Acq: 30 Jan 2018 14:43

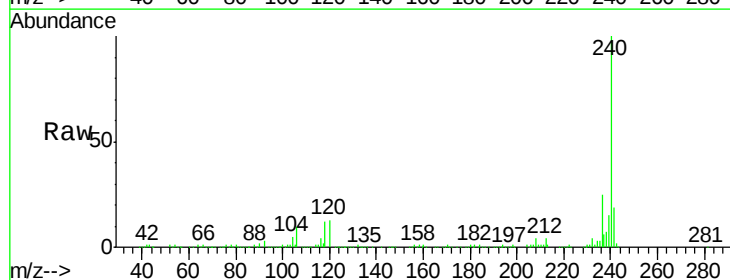
Tgt Ion:240 Resp: 449318

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

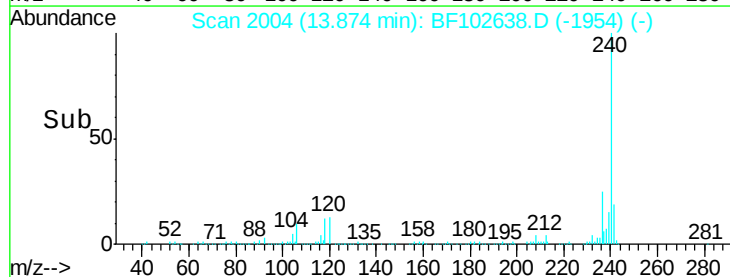
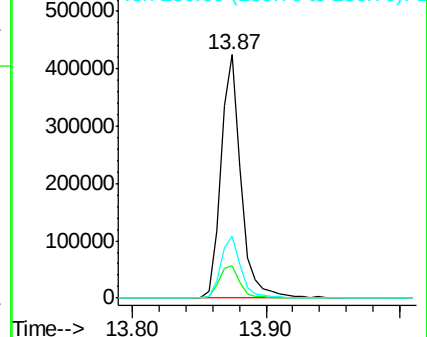
236 25.2 20.7 31.1

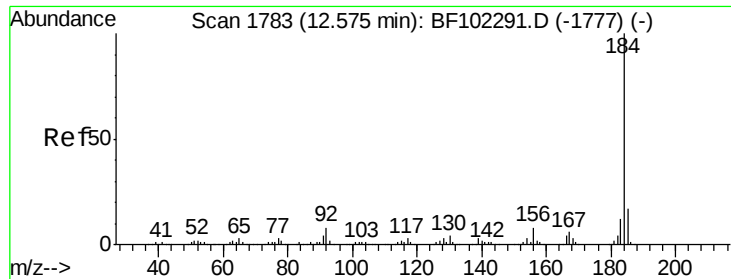


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

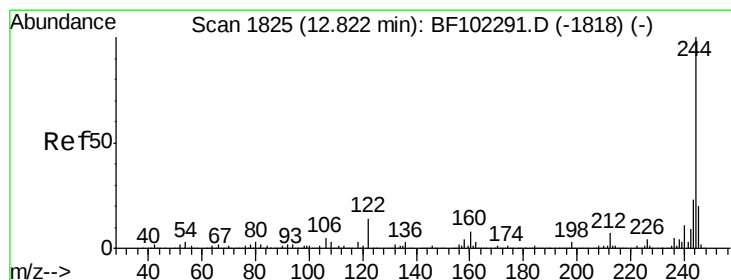
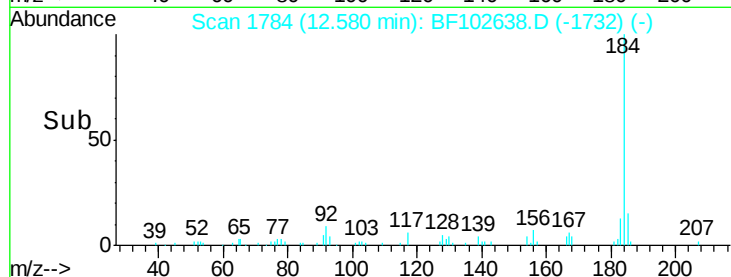
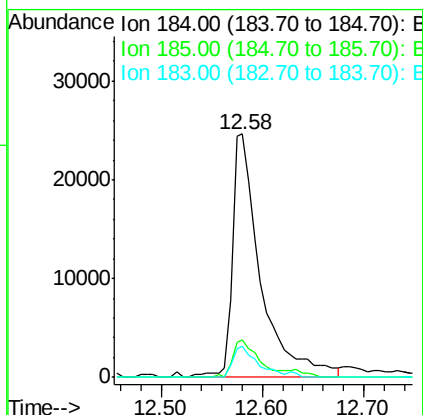
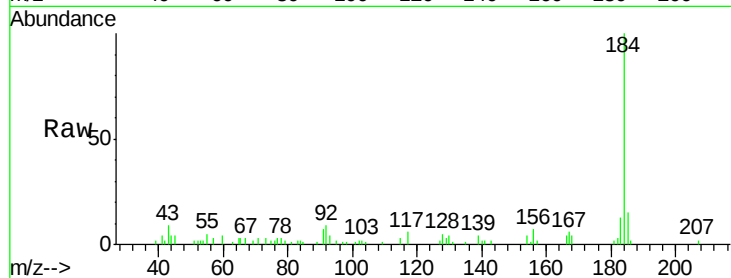




#76
Benzidine
Concen: 3.163 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF102638.D
Acq: 30 Jan 2018 14:43

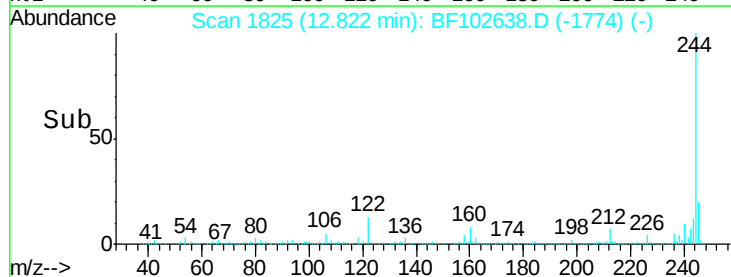
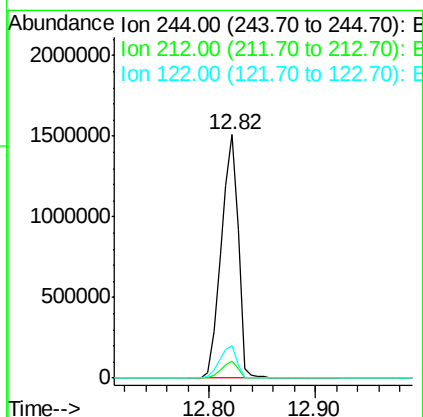
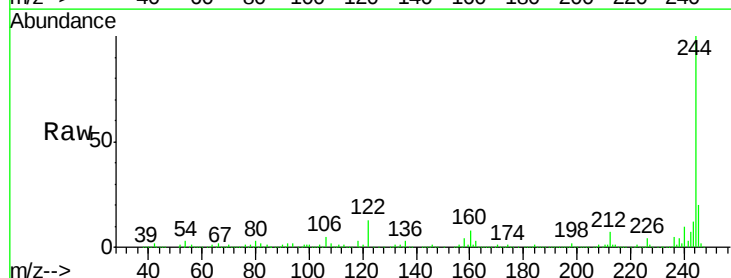
Instrument :
BNA_F
ClientSampleId :
ZIPPER-DRAIN

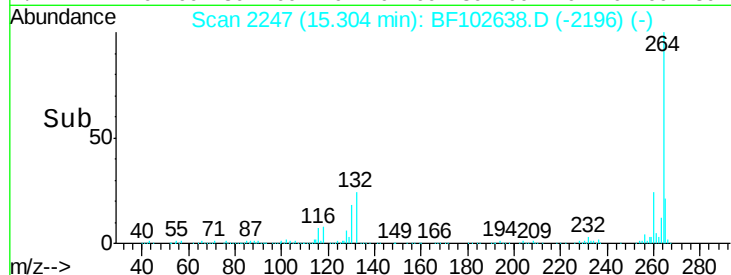
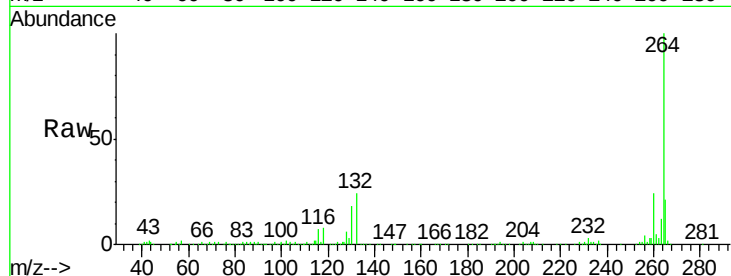
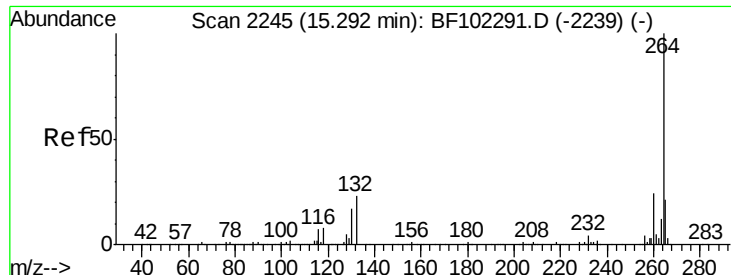
Tot Ion:184 Resp: 47745
Ion Ratio Lower Upper
184 100
185 15.4 12.6 18.8
183 12.6 9.3 13.9



#78
Terphenyl-d14
Concen: 85.859 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF102638.D
Acq: 30 Jan 2018 14:43

Tgt Ion:244 Resp: 1711265
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 13.2 11.0 16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF102638.D
Acq: 30 Jan 2018 14:43

Instrument :
BNA_F
ClientSampleId :
ZIPPER-DRAIN

Tot Ion:	264	Resp:	377196
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.1	17.5	26.3

